



(ONE-PAGE SUMMARY)

Academic Degrees

2002: Prof., Eindhoven University of Technology, Building Physics and Services
2002: Prof., Czech Technical University in Prague, Environmental Engineering
1999: Doc., Czech Technical University in Prague, Mechanical Engineering
1991: Dr. (equiv. Ph.D.), Technische Universiteit Eindhoven, Building Science
1981: Ir. (equiv. M.Sc.), Technische Hogeschool Eindhoven, Building Science

Current Positions

Full professor, Building Performance, Eindhoven University of Technology
Full professor, Environmental Engineering, Czech Technical University in Prague
Scientific Director Post MSc Smart Buildings & Cities, Eindhoven University of Technology
Theme Leader Energy in the Built Environment, Eindhoven University of Technology

Current Professional Services

Member and past-president International Building Performance Simulation Association – Netherlands Flanders (IBPSA-NVL)
Founding co-editor of “Journal of Building Performance Simulation”
Member of several ASHRAE technical committees
Board member of International Building Performance Simulation Association (IBPSA)
Editorial board member of “International Journal of Low Carbon Technologies”
Editorial board member of journal “Building and Environment”
Editorial board member of journal “Energy and Buildings”

Awards

Fellow International Building Performance Simulation Association -IBPSA
Fellow Federation of European HVAC Associations - REHVA
Fellow American Society of Heating, Refrigerating and Air-Conditioning Engineers - ASHRAE
Distinguished Service Award, ASHRAE
Professional Award for Achievements in Science, REHVA
B.J. Max Award, Dutch Technical Association for Installations in Buildings – TVVL
Czech Technical University in Prague award for innovation in research and teaching

Research Sponsorships: k€ 8451

Publications

Scientific journal papers:	109	ORCID:	0000-0002-7528-4234
Books and chapters:	12	ResearcherID:	J-6100-2013
Papers in conference proceedings:	345	Scopus ID:	7006934537
Professional journal articles:	131	h-index:	22 (Web of Science), 26 (Scopus), 39 (Google Scholar)

Major subjects taught

Modeling and simulation for design and operation of high performance buildings

Supervisees

Summary	Total	Completed	In progress
Post-Doctoral Associates	11	9	2
Ph.D. Students	41	28	13
PDEng trainees	6	1	5
M.Sc. Students	136	116	20

Table of Contents

Contact information	2
Personal details	2
Academic degrees	2
Education	2
Major research expertise and interest	2
Professional experience	2
Professional memberships (selection).....	2
International reviews (selection).....	3
Peer reviewer of:	3
External Examiner of PhD theses:.....	3
Research proposals reviewer for:.....	5
Awards & visiting appointments	6
Sponsored research projects (selection)	6
Publications.....	7
Scientific journal papers.....	7
Books and chapters.....	15
Refereed conference papers	15
Other conference papers	40
Professional journal articles.....	44
Keynote lectures.....	51
Invited lectures.....	52
Taught courses (selection)	53
Doctoral dissertation or PhD theses advisor.....	53
Master degree thesis supervisor.....	55

Curriculum vitae – Jan L M Hensen

Contact information

Eindhoven University of Technology
Building Physics and Services
P.O. Box 513 – Vertigo 6.18
5600 MB EINDHOVEN, Netherlands

Phone: +31 (0)40 247 2988
Fax: +31(0)40 243 8595
Email: j.hensen@tue.nl
URL: <http://www.janhensen.nl>

Personal details

Born 9 April 1953 in Tilburg (NL), male, married, two children

Academic degrees

2002: Prof., Eindhoven University of Technology, Building Physics and Services
2002: Prof., Czech Technical University in Prague, Mechanical Engineering
1999: Doc., Czech Technical University in Prague, Mechanical Engineering
1991: Dr. (equiv. Ph.D.), Technische Universiteit Eindhoven, Building Science
1981: Ir. (equiv. M.Sc.), Technische Hogeschool Eindhoven, Building Science

Education

1991: Dr. (equiv. Ph.D.), Technische Universiteit Eindhoven, Building Science
1981: Ir. (equiv. M.Sc.), Technische Hogeschool Eindhoven, Building Science

Major research expertise and interest

- Computer modeling and simulation of building physics and systems
- Building performance analysis for design and operation

Professional experience

2014 – date: scientific director Post MSc Smart Buildings & Cities, Eindhoven University of Technology

2011 – date: theme leader Energy in the Built Environment, Eindhoven Energy Institute, Technische Universiteit Eindhoven

2002 – date: full professor, Building Performance, Technische Universiteit Eindhoven

2002 – date: full professor, Mechanical Engineering, Czech Technical University in Prague

2005 – 2013: head of unit Building Physics & Services, Built Environment Department, Technische Universiteit Eindhoven

2001 – 2006: director of research, Centre for Building & Systems TNO-TU Eindhoven

2000 – 2002: associate professor, Building Science, Technische Universiteit Eindhoven

2000 – 2002: associate professor, Mechanical Engineering, Czech Technical University in Prague

1997 – 1999: senior lecturer, Mechanical Engineering, University of Strathclyde, Glasgow

1993 – 1997: lecturer, Mechanical Engineering, University of Strathclyde, Glasgow

1991 – 1993: assistant professor, Building Science, Technische Universiteit Eindhoven

1986 – 1991: research fellow, Building Science, Technische Universiteit Eindhoven

1981 – 1986: research engineer, TNO Institute of Applied Physics, Delft

Professional memberships (selection)

2009 – date: International Journal of Low Carbon Technologies, editorial board member

2008 – date: Building and Environment; editorial board member

2007 – date: Journal for Building Performance Simulation; founding co-editor

2005 – date: Energy and Buildings; editorial board member

- 2001 – date: IBPSA-NVL, International Building Performance Simulation Association – Netherlands + Flanders chapter; 2001 – 2006: founding president; 2006 – 2011: board member; 2012 – date: president
- 2000 – 2009: Netherlands Association for Computerization in Building and Installation Technology (VABI); 2000 – 2006: board member; 2006 – 2009: president
- 2000 – 2011: TVVL Magazine, Netherlands Technical Association for Installations in Buildings; 2000 – 2010: editorial board member; 2008 – 2011: technical council member
- 1998 – date: American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE); member of several technical committees
- 1997 – date: International Building Performance Simulation Association (IBPSA); 1997 – date: board member; 1999 – 2006: vice-president; 2006 – 2010: president; 2010 – date: board member

International reviews (selection)

Peer reviewer of:

Applied Energy
 Applied Thermal Engineering
 ASHRAE International Journal of HVAC&R Research
 ASHRAE Transactions
 Automation in Construction
 Building and Environment
 Building Research & Information
 Building Services Engineering Research & Technology
 Energy and Buildings, Engineering Sustainability
 International Journal of Low-carbon Technologies
 National Agency for the Evaluation of Universities and Research Institutes
 National Priorities Research Program (NPRP)
 Simulation Modelling Practice and Theory (SIMPAT)

External Examiner of PhD theses:

- 2017: Boonyarangkavorn, N. , Development of an Optimal Control Strategy for Hybrid Ventilation of Office Buildings, The University of Melbourne
- 2017: Habibi Khalaj, A. , Multi-level, multi-objective thermal management and efficiency enhancement for sustainable data center, The University of Melbourne
- 2017: Hirvonen, J. , Towards zero energy communities: increasing local and renewable energy utilization in buildings through shared energy generation and storage, Aalto University, Finland
- 2017: Jahangiri, P., Applications of paraffin-water dispersions in energy distribution systems, RWTH Aachen University
- 2017: Khandelwal, H. , Infrared Reflecting Smart Windows, Eindhoven University of Technology
- 2017: Lindauer, M. , Dynamische Sensitivitätsanalysemethoden energetischer Wohngebäudequartierssimulationen, Technische Universität München
- 2017: Mofidi, F. , Simulating the Integrated Optimization of Energy Costs and Occupants' Productivity in Offices, Concordia University, Montreal
- 2017: Østergård, T., Proactive building simulations for early design support, Aalborg University, Denmark
- 2017: Ritzen, M., Environmental assessment of Building Integrated Photovoltaics – numerical and experimental carrying capacity based approach, Eindhoven University of Technology

- 2017: Wölki, D. , MORPHEUS: Modelica-based implementation of a numerical human model involving individual human aspects, RWTH Aachen University
- 2016: Rastogi, P. , On the sensitivity of buildings to climate, Ecole Polytechnique Federale de Lausanne
- 2016: Majcen, D. , Predicting energy consumption and savings in the housing stock, Delft University of Technology
- 2016: Behrendt, B. , Possibilities and Limitations of Thermally Activated Building System, Technical University of Denmark
- 2015: Baetens, R., ON EXTERNALITIES OF HEAT PUMP-BASED LOW-ENERGY DWELLINGS at the low-voltage distribution grid, KU Leuven
- 2015: Dinapradipta, A., Office Building Facades for Functionality and Adaptability in Humid Tropical Cities: Multi-Case Studies of Office Buildings in Jakarta – Indonesia, TU Eindhoven
- 2015: Peren Montero, J.I., Geometry and ventilation: Evaluation of the leeward sawtooth roof potential in the natural ventilation of buildings, TU Eindhoven
- 2015: Veldhuis, H., Modeling and Simulation of Photovoltaic Systems in Indonesia – A Technical Evaluation at Multiple Levels, U Twente
- 2014: Asare-Bediako, B., SMART Energy Homes and the Smart Grid, TU Eindhoven
- 2014: Pavlov, G.K., BUILDING THERMAL ENERGY STORAGE, Technical University of Denmark
- 2014: Dréau, J. Le., Energy flow and thermal comfort in buildings – Comparison of radiant and air-based heating & cooling systems, Aalborg University Denmark
- 2014: Kwong, Q.J.. DEVELOPMENT OF ADAPTIVE THERMAL COMFORT MODEL FOR RADIANTLY COOLED TROPICAL BUILDINGS, Putra University, Malaysia
- 2014: Lampropoulos, I., Energy Management of Distributed Resources in Power Systems Operations. TU Eindhoven
- 2014: Ramponi, R., Computational modeling of urban wind flow and natural ventilation potential of buildings , TU Eindhoven
- 2013: Bronsema, B., Earth, Wind & Fire Natuurlijke Airconditioning, TU Delft
- 2013: Entrop, B., Assessing Energy Techniques and Measures in Residential Buildings: A Multidisciplinary Perspective, University of Twente
- 2013: Hajdukiewicz, M., Formal calibration methodology for CFD models of naturally ventilated indoor environments, National University of Ireland
- 2013: Parys, W., Cost Optimization of Cellular Office Buildings Based on Building Energy Simulation, KU Leuven
- 2013: Pernigotto, G., Evaluation of building envelope energy performance through extensive simulation and parametrical analysis, University of Padova
- 2012: Allegrini, J., Urban Climate and Energy Demand in Buildings, ETH Zurich
- 2012: Borg, S. P., Micro-Trigeneration in Energy-Efficient Residential Buildings in Southern Europe, University of Strathclyde
- 2012: Schellen, L., Beyond Uniform Thermal Comfort on the effects of non-uniformity and individual physiology, TU Eindhoven
- 2012: P. Stavova, P., Experimental evaluation of ventilation of residential buildings, CTU Prague
- 2011: Esfandiari, F.N., Sustainable Air Handling by Evaporation and Adsorption, TU Delft
- 2011: Petersen, S., Simulation-based support for integrated design of new low-energy office buildings, TU Denmark
- 2010: Hviid, C.A., Building integrated passive ventilation systems, TU Denmark
- 2010: Hoof, J.v., Ageing-in-place: the integrated design of housing facilities for people with dementia, TU Eindhoven
- 2010: Santin. O.G., Actual energy consumption in dwellings: the effect of energy performance regulations and occupant behaviour, TU Delft
- 2009: Orehounig, K., Thermal, acoustical, and visual performance aspects of traditional bath buildings, TU Vienna

- 2009: Peeters, L., Water-based heating and cooling in residential buildings. Towards optimal heat emission/absorption elements, KU Leuven
- 2009: Simone, A., The behaviour of radiant temperature on people's comfort and control of heating and cooling system, University of Padua
- 2009: Schiavon, S., Energy-saving with personalized ventilation and cooling fan, University of Padua
- 2009: Tabak, V., User Simulation of Space Utilisation. System for Office Building Usage Simulation, TU Eindhoven
- 2008: Yi, Y.K., Integration of Computational Fluid Dynamics (CFD) and Energy Simulation (ES) for optimal energy form generation, University of Pennsylvania
- 2007: Bron – van der Jagt, S., Sound Transmission through Pipe Systems and into Building Structures, TU Eindhoven
- 2007: Schijndel, A.W.M. van, Integrated Heat Air & Moisture Modeling and Simulation, TU Eindhoven
- 2006: Westphal, F.S., Análise de Incertezas e de Sensibilidade Aplicadas à Simulação de Desempenho Energético de Edificações Comerciais, Federal University of Santa Catarina
- 2006: Stec, W.J., Symbiosis of double skin I and indoor climate installation, TU Delft
- 2004: Ivashkov, M., ACCEL: a Tool for Supporting Concept Generation in the Early Design Phase, TU Eindhoven
- 2003: Wilde, P. de, Computational Support for the Selection of Energy Saving Building Components, TU Delft
- 2003: Park, C.S., OCCUPANT RESPONSIVE OPTIMAL CONTROL OF SMART FAÇADE SYSTEMS, Georgia Institute of Technology
- 1999: Roos, A., On the effectiveness of ventilation, TU Eindhoven
- 1999: Wheatley, A.C., Modelling and performance analysis of a sub-dew point chilled beam in mixed mode buildings, Loughborough University
- 1999: Loomans, M.G.L.C., The Measurement and Simulation of Indoor Air Flow, TU Eindhoven
- 1997: MacQueen, J., The modelling and simulation of energy management control systems, University of Strathclyde
- 1995: Chow, T.T., Atomic modelling in air-conditioning simulation, University of Strathclyde

Research proposals reviewer for:

Academy of Finland
 Agentschap voor Innovatie door Wetenschap en Technologie (IWT), Belgium
 Engineering and Physical Sciences Research Council (EPSRC), UK
 Fonds Québécois de la Recherche sur la Nature et les Technologies (FQRNT), Canada
 Fonds Wetenschappelijk Onderzoek (FWO), Belgium
 Grant Agency of the Czech Republic (GACR)
 Horizon 2020 – Energy Efficiency in Buildings (EU)
 Italian Research and University Evaluation Agency (ANVUR)
 Kuwait Foundation for the Advancement of Sciences (KFAS)
 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Österreichische Forschungsförderungsgesellschaft (FFG)
 Österreichische Fonds zur Förderung der wissenschaftlichen Forschung (FWF)
 Qatar National Research Fund (QNRF)
 Research Grants Council (RGC), Hong Kong
 Stichting Innovatie Alliantie (SIA), Netherlands
 Stichting Technische Wetenschappen (STW), Netherlands
 University of Liechtenstein Research Fund
 US National Science Foundation (NSF)

Awards & visiting appointments

- 2015: Gold Medal, Dutch Society for Building Services – TVVL
- 2012: Fellow Federation of European HVAC Associations – REHVA
- 2011: Lawrence Berkeley National Laboratory, Affiliate Scientist, 6 months, Stichting Promotie Installatietechniek – PIT grant
- 2010: Danish Technical University, Velux Visiting Professor, 3 months, Villum Foundation grant
- 2009: Distinguished Service Award, American Society of Heating, Refrigerating and Air-Conditioning Engineers - ASHRAE
- 2009: Professional Award for Achievements in Science, Federation of European HVAC Associations – REHVA
- 2008: Fellow American Society of Heating, Refrigerating and Air-Conditioning Engineers - ASHRAE
- 2007: Kyoto University, visiting professor, 2 months, Building Services Commissioning Association grant
- 2006: Czech Air-conditioning and Ventilation Award, Society of Environmental Technology, Prague
- 2006: Federal University of Santa Catarina (Brazil), visiting professor in Civil Engineering, 3 months, CNPq visiting professor grant
- 2003: Georgia Institute of Technology in Atlanta, visiting senior scholar, 3 months, Fulbright grant
- 2002: B.J. Max Award, Dutch Society for Building Services – TVVL
- 2002: Czech Technical University in Prague rector's team award for innovation in research and teaching (also in 2001)
- 1999: Czech Technical University in Prague, visiting professor in Mechanical Engineering, from 1996 – 1999 approx. 20 days / year
- 1996: Korean Institute for Energy Research, visiting research fellow, 3 months, KISR grant

Sponsored research projects (selection)

- 2015 – 2019: Modeling and simulation of Smart Energy Demand Management in Buildings PIT-Vabi + SPARK, 290 k€
- 2015 – 2017: TRECO-Office: Towards Real Energy performance and Control by predicting, monitoring, comparing and controlling for Offices and Public Buildings, TKI-Energo, 100 k€
- 2015 : Performance of House of Tomorrow Today, Agentschap NL, 10 k€
- 2014 – 2018: Modeling of occupant influence for building energy performance predictions PIT-Vabi + SPARK, 290 k€
- 2014 : Hysopt support, EU Interreg Project Incubatorenennetwerk(t), 10 k€
- 2013 – 2017: Robust Net-Zero Energy Buildings, EuroTech EEBC, 135 k€
- 2013 – 2016: GeNIC Globally optimized Energy efficient data Centres, European Union FP7-ICT-2013.6.2, 411 k€
- 2012 : Evaluation of energy performance of HPL panels with improved IR reflection using simulation, Trespa, 5 k€
- 2011 – 2012: Knowledge transfer project – licht/zwaar bouwen, Bouwen met Staal, 15 k€
- 2010 – 2014: Climate Proof Cities – Impacts of climate change on the indoor environmental and energy performance of buildings, Knowledge for Climate Foundation, 225 k€
- 2010 – 2014: CAGIM: inverse modeling for design and operation of climate adaptive greenhouses, Agentschap NL EOS-LT, 320 k€
- 2010 – 2013: GeoTABS Towards optimal design and control of geothermal heat pumps combined with thermally activated building systems in offices, European Union EraSME, 20 k€
- 2010 – 2013: Modeling virtual natural lighting solutions for buildings, TU Eindhoven CvB, 160 k€

- 2009 – 2013: FACET: façade als adaptief comfortverhogend en energiebesparend toekomstconcept, SenterNovem EOS-LT, 297 k€
- 2009 – 2013: Sustainable Energy Plus industrial Hall – advanced design support and assesmen, M2i + Corus + Bekaert, 260 k€
- 2009 – 2013: Lightweight low-energy house with hybrid adaptable thermal storage, M2i + Corus, 260 k€
- 2009 – 2010: Ensure Enabling Sustainable Lighting Solutions, SenterNovem / Philips kenniswerkersregeling, 210 k€
- 2009 – 2010: Building Brains, SenterNovem / Yacht kenniswerkersregeling, 116 k€
- 2007 – 2011: Contribution towards one PhD project, Stichting Promotie Installatietechniek (PIT), 96 k€
- 2007 – 2011: Earth, wind and fire – new indoor climate concepts, SenterNovem EOS-LT, 168 k€
- 2006 – 2010: Heat, air and moisture performance engineering; a whole building approach, IWT-SBO Vlaanderen, 484 k€
- 2005 – 2009: Contribution towards two PhD research projects, Netherlands Association for Computerization in Building and Installation Technology (VABI) + Deerns Raadgevende Ingenieurs, 160 k€
- 2003 – 2008: Support for professorial chair in building performance simulation, Netherlands Association for Computerization in Building and Installation Technology (VABI), 85 k€
- 2002 – 2007: Contribution towards three PhD research projects, Netherlands Organization for Applied Scientific Research (TNO), 240 k€
- 2001 – 2003: On-line energy services for the Smart Home, European Union, 1100 k€ total project, international consortium of industrial, public and academic partners (Czech academic management)
- 2000 – 2003: Improvement of transport safety by control of fog production in a climate chamber, European Union, 2490 k€ total project, international consortium of industrial and academic partners (Scottish ex-coordinator)
- 1998 – 2001: Integrated design optimization of building energy performance and indoor environment, European Union, 220 k€ total project, international consortium of academic partners (Czech academic management)
- 1997 – 1998: Energy efficiency short course series hosted on the Web, European Union, 64 k€ total project, international consortium of academic partners (Scottish coordinator)
- 1995 – 1998: Introducing IT based environmental simulation courses in Bulgaria and Slovak Republic, European Union, 345 k€ total project, international consortium of academic partners (overall project coordinator)

Publications

Scientific journal papers

Complete listing of all publications (> 250) and reports (> 100) and full text of most publications below are available at www.bwk.tue.nl/bps/hensen List of citations is available on request.

110. Borgstein, E.H., Lamberts, R., Hensen, J.L.M. 2018. Mapping failures in energy and environmental performance of buildings. *Energy and Buildings*, Volume 158, 1 January 2018, Pages 476-485.
109. Kotireddy, R.R., Hoes, P. & Hensen, J.L.M. (2018). A methodology for performance robustness assessment of low-energy buildings using scenario analysis. *Applied Energy*, 212, 428-442.
108. Manrique Delgado, B., Kotireddy, R., Cao, S., Hasan, A., Hoes, P., Hensen, J.L.M., and K Sirén 2018. Lifecycle cost and CO2 emissions of residential heat

and electricity prosumers in Finland and the Netherlands, *Energy Conversion and Management*, vol. 160, pages 495–508.

107. Gaetani, I., Hoes, P. & Hensen, J.L.M. 2017. On the sensitivity to different aspects of occupant behaviour for selecting the appropriate modelling complexity in building performance predictions, *Journal of Building Performance Simulation*, Vol. 10 , Iss. 5-6, pp. 601-611.
106. Hamdy, M., Carlucci, S., Hoes, P. & Hensen, J.L.M., 2017. The impact of climate change on the overheating risk in dwellings : A Dutch case study. *Building and Environment*, vol. 122 pp. 307 – 323.
105. Loonen R.C.G.M., Favoino, F., Hensen, J.L.M. & Overend, M. 2017. Review of current status, requirements and opportunities for building performance simulation of adaptive facades, *Journal of Building Performance Simulation*, Vol. 10, No. 2, pp. 205–22.
104. Menconi, M.E., Chiappini, M., Hensen, J.L. and Grohmann, D., 2017. Thermal comfort optimization of vernacular rural buildings: passive solutions to retrofit a typical farmhouse in central Italy. *Journal of Agricultural Engineering*, p.48.
103. Montazeri, H., Toparlar, Y., Blocken, B. & Hensen, J.L.M. 2017. Simulating the cooling effects of water spray systems in urban landscapes: A computational fluid dynamics study in Rotterdam, The Netherlands. In : *Landscape and Urban Planning*. 159, p. 85-100.
102. O'Brien, W., Gaetani, I., Carlucci, S., Hoes, P. & Hensen, J.L.M., 2017. On occupant-centric building performance metrics. *Building and Environment*, 122, 373-385.
101. Roberz, F., Loonen, R.C.G.M., Hoes P. & Hensen, J.L.M. 2017. Ultra-lightweight concrete: energy and comfort performance evaluation in relation to buildings with low and high thermal mass. *Energy and Buildings*, 138, 432-442.
100. de Witte, D., de Klijn, M.L., Loonen, R.C.G.M., Hensen, J.L.M., Knaack, U. & Zimmermann, G. 2017. Convective Concrete: Additive Manufacturing to facilitate activation of thermal mass. *Journal of Facade Design and Engineering*, 5(1), 107-117.
99. Borgstein, E.H., Lamberts, R. and J.L.M. Hensen 2016. Evaluating energy performance in non-domestic buildings: a review, *Energy and Buildings*, vol. 128, pp. 734-755. [doi:10.1016/j.enbuild.2016.07.018]
98. Gaetani, I., Hoes, P. And J.L.M. Hensen 2016. Occupant behavior in building energy simulation: towards a fit - for - purpose modeling strategy, *Energy and Buildings*, vol. 121, pp. 188-204.
97. Hamdy, Mohamed, Anh-Tuan Nguyen & Hensen, J. L. M. 2016. A performance comparison of multi-objective optimization algorithms for solving nearly-zero-energy-building design problems, *Energy and Buildings*, vol. pp. 57–71.
96. Hoes, P. & Hensen, J.L.M. (2016). The potential of lightweight low-energy houses with hybrid adaptable thermal storage : comparing the performance of promising concepts. *Energy and Buildings*, Volume 110, January, Pages 79-93
95. Hooff, T.A.J. van, Blocken, B.J.E., Timmermans, H.J.P. & Hensen, J.L.M. 2016. Preprint of : Analysis of the predicted effect of passive climate adaptation measures on energy demand for cooling and heating in a residential building. *Energy*, Volume 94, p. 811-820

94. Lee, B., Pourmousavian, N. and J.L.M. Hensen (2016). Full - factorial design space exploration approach for multi - criteria decision making of the design of industrial halls, *Energy and Buildings*, vol. 116, pp.352 - 361.
93. Loonen Roel C.G.M., Fabio Favoino, Jan L.M. Hensen & Mauro Overend 2016. Review of current status, requirements and opportunities for building performance simulation of adaptive facades, *Journal of Building Performance Simulation*. Published online: 7 Mar 2016.
92. Mishra, A.K., Loomans, M.G.L.C., Hensen, J.L.M. 2016. Thermal comfort of heterogeneous and dynamic indoor conditions – An overview, *Building and Environment*, vol 109, pp. 82-100
- 90 O'Brien, W., Gaetani, I. Gilani, S., Carlucci, S., Hoes, P. & Hensen, J. L. M. 2016. International survey on current occupant modelling approaches in building performance simulation, *Journal of Building Performance Simulation*, pp. 1-19.
89. Xie, Qimiao, Wang, Jinhui, Lu, Shouxiang & Hensen, J.L.M. (2016). An optimization method for the distance between exits of buildings considering uncertainties based on arbitrary polynomial chaos expansion. *Reliability Engineering and System Safety*, 154, 188-196.
88. Boerstra, A.C., Kulve, M. te, Toftum, J., Loomans, M.G.L.C., Olesen, B.W. & Hensen, J.L.M. (2015). Comfort and performance impact of personal control over thermal environment in summer : results from a laboratory study. *Building and Environment*, 2015(87), 315-326.
87. Clarke, J.A., Hensen, J.L.M. 2015. Integrated building performance simulation: Progress, prospects and requirements. *Building and Environment* 91 (2015) 294-306
86. Hooff, T.A.J. van, Blocken, B.J.E., Hensen, J.L.M. & Timmermans, H.J.P. 2015. Reprint of : " On the predicted effectiveness of climate adaptation measures for residential buildings." *Building and Environment*, 83, 142-158.
85. Khandelwal, H., Loonen, R. C. G. M., Hensen, J. L. M., Debije, M. G., Schenning, A. P. H. J., 2015. " Electrically switchable polymer behaviour broadband infrared reflectors and their potential as smart windows for energy saving in buildings" *Scientific Reports*, 5:11773, 1-9.
84. Mauro, G.M., Hamdy, M., Vanoli, G.P., Bianco, N., Hensen, J.L.M. (2015). A new methodology for investigating the cost-optimality of energy retrofitting a building category. *Energy and Buildings*, 2015(107), 456-478.
83. Montazeri, H., Blocken, B.J.E. & Hensen, J.L.M. 2015. " CFD analysis of the impact of physical parameters on evaporative cooling by a mist spray system." *Applied Thermal Engineering*, 75(1), 608-622.
82. Montazeri, H., Blocken, B.J.E. & Hensen, J.L.M. 2015. " Evaporative cooling by water spray systems : CFD simulation, experimental validation and sensitivity analysis." *Building and Environment*, 83, 129-141.
81. Arteconi, A., Cóstola, D., Hoes, P. & Hensen, J.L.M. (2014). Analysis of control strategies for thermally activated building systems under demand side management mechanisms. *Energy and Buildings*, 80(September), 384-393.
80. Bakker, L.G., Hoes – Van Oeffelen, E.C.M., Loonen, R.C.G.M. & Hensen, J.L.M. (2014). User satisfaction and interaction with automated dynamic facades : a pilot study. *Building and Environment*, 78, 44-52.

79. Dronkelaar, C. van, Cóstola, D., Mangkuto, R.A. & Hensen, J.L.M. 2014. "Heating and cooling energy demand in underground buildings: potential for daving in various climates and functions", *Energy and Buildings*, accepted or in press.
78. Hooff, T.A.J. van, Blocken, B.J.E., Hensen, J.L.M. & Timmermans, H.J.P. (2014). On the predicted effectiveness of climate adaptation measures for residential buildings. *Building and Environment*, 82, 300-316.
77. Kasinalis, C., Loonen, R.C.G.M., Cóstola, D. & Hensen, J.L.M. (2014). Framework for assessing the performance potential of seasonally adaptable facades using multi-objective optimization. *Energy and Buildings*, 79, 106-113.
76. Khandelwal, H., Loonen, R.C.G.M., Hensen, J.L.M., Schenning, A.P.H.J. & Debije, M.G. (2014). Application of broadband infrared reflector based on cholesteric liquid crystal polymer network to windows and its impact on reducing the energy consumption in buildings. *Journal of Materials Chemistry A*, 2, 14622-14627.
75. Lee, B., Trcka, M. & Hensen, J.L.M. 2014. "Building energy simulation and optimization: a case study of industrial halls with varying process loads and occupancy patterns", *Building Simulation: An International Journal*, accepted or in press.
74. Loonen, R.C.G.M., Singaravel, S., Trcka, M., Cóstola, D. & Hensen, J.L.M. 2014." Simulation-based support for product development of innovative building envelope components", *Automation in Construction*, 45, 86-95.
73. Melo, A.P., Cóstola, D., Lamberts, R. & Hensen, J. L. M. 2014. " Development of surrogate models using artificial neural network for building shell energy labelling." *Energy Policy*, vol. 69, pp. 457–466.
72. Mangkuto, R.A, Aries, M.B.C., Loenen, E.J.v. & Hensen, J. L. M. 2014. " Modelling and simulation of virtual natural lighting solutions with complex views." *Building Simulation: An International Journal*, accepted or in press.
71. Mangkuto, R.A, Aries, M.B.C., Loenen, E.J.v. & Hensen, J. L. M. 2014. "Simulation of virtual natural lighting solutions with a simplified view", *Lighting Research and Technology*, vol 46 (2), pp. 198-218.
70. Mangkuto, R.A, Aries, M.B.C., Loenen, E.J.v. & Hensen, J. L. M. 2014. " Analysis of various opening configurations of a second-generation virtual natural lighting solutions prototype", *LEUKOS: The Journal of the Illuminating Engineering Society of North America*, vol. 10 (4), 223-236.
69. Mangkuto, R.A., Wang, S., Aries, M.B.C., Loenen, E.J. van & Hensen, J.L.M. (2014). Comparison between lighting performance of a virtual natural lighting solutions prototype and a real window based on computer simulation. *Frontiers of Architectural Research*, 3(4), 398-412.
68. Melo, A.P., Cóstola, D., Lamberts, R. & Hensen, J. L. M. 2014. " Development of surrogate models using artificial neural network for building shell energy labelling." *Energy Policy*, vol. 69, pp. 457–466.
67. Pernigotto, G., Gasparella, A., Hensen, J.L.M. 2014. "Analysis and improvement of the representativeness of EN ISO 15927-4 reference years for building energy simulation", *Journal of Building Performance Simulation*, accepted or in press.
66. Pernigotto, G., Prada, A., Costola, D., Gasparella, A., & Hensen, J. L. M. 2014. "Multi-year and reference year weather data for building energy labelling in north Italy climates", *Energy and Buildings*, vol. 72, pp. 62-72.
65. Arteconi, A., Cóstola, D., Hoes, P. & Hensen, J.L.M. (2014). Analysis of control strategies for thermally activated building systems under demand side management mechanisms. *Energy and Buildings*, 80(September), 384-393.

64. Bakker, L.G., Hoes – Van Oeffelen, E.C.M., Loonen, R.C.G.M. & Hensen, J.L.M. (2014). User satisfaction and interaction with automated dynamic facades : a pilot study. *Building and Environment*, 78, 44-52.
63. Dronkelaar, C. van, Cóstola, D., Mangkuto, R.A. & Hensen, J.L.M. 2014. "Heating and cooling energy demand in underground buildings: potential for daving in various climates and functions", *Energy and Buildings*, accepted or in press.
62. Hooff, T.A.J. van, Blocken, B.J.E., Hensen, J.L.M. & Timmermans, H.J.P. (2014). On the predicted effectiveness of climate adaptation measures for residential buildings. *Building and Environment*, 82, 300-316.
61. Attia, S., Gratia, E, De Herde, A. & Hensen, J. L. M. 2013. "Achieving informed decision-making for net zero energy buildings design using building performance simulation tools", *Building Simulation*, Online, pp. 1-8.
60. Boerstra, A.C., Beuker, T, Loomans, M.G.L.C. & Hensen, J. L. M. 2013. "Impact of available and perceived control on comfort and health in European offices", *Architectural Science Review*, Online, pp. 1-8.
59. Boerstra, A.C., Loomans, M.G.L.C. & Hensen, J.L.M. 2013. "Personal control over temperature in winter in Dutch office buildings", *HVAC&R Research*, vol. 19 Issue 8, pp 1033-1050.
58. Heijden, M.G.M. van der, Loomans, M.G.L.C., Lemaire, A.D. & Hensen, J.L.M. 2013. "Fire safety assessment of semi-open car parks based on validated CFD simulations", *Building Simulation: An International Journal*, vol. 6 Issue 4, pp 385-394.
57. Hopfe, C.J., Augenbroe, G. & Hensen, J.L.M. 2013. "Multi-criteria decision making under uncertainty in building performance assessment", *Building and Environment*, vol. 69, pp 81-90.
56. Lee, B., Trcka, M, & Hensen, J. L. M. 2013. "Rooftop photovoltaic (PV) systems: a cost–benefit analysis study of industrial halls", *International Journal of Low-carbon Technologies*, Online, pp. 1-8.
55. Loonen, R.C.G.M., Trcka, M., Cóstola, D. & Hensen, J.L.M. 2013. "Climate adaptive building shells: state-of-the-art and future challenges", *Renewable & Sustainable Energy Reviews*, vol. 25, pp 483-493
54. Mirsadeghi, M., Cóstola, D., Blocken, B. & Hensen, J. L. M. 2013. "Review of external convective heat transfer coefficient models in building energy simulation programs: Implementation and uncertainty", *Applied Thermal Engineering*, Vol. 56, No. 1-2, pp. 134-15
53. Attia, S., Hensen, J. L. M., Bertran, L., & De Herde, A. 2012. "Selection criteria for building performance simulation tools: contrasting architects' and engineers' needs", *Journal of Building Performance Simulation*, vol. 5, nr. 3, pp. 155-169.
52. Attia, S., Gratia, E., De Herde, A., & Hensen, J. L. M. 2012. "Simulation-based decision support tool for early stages of zero-energy building design", *Energy and Buildings*, vol. 49, pp. 2-15.
51. Lee, B., Trcka, M., & Hensen, J. L. M. 2012. "Rooftop photovoltaic (PV) systems for industrial halls — achieving economic benefit through lowering energy demand", *Frontiers of Architectural Research*, vol. 1, no. 4, pp. 326-333.
50. Melo, A. P., Costola, D., Lamberts, R., & Hensen, J. L. M. 2012. "Assessing the accuracy of a simplified building energy simulation model using BESTEST: the case study of Brazilian regulation", *Energy and Buildings*, vol. 45, pp. 219-228.

49. Ochoa Morales, C. E., Aries, M. B. C., Loenen, E. J. V., & Hensen, J. L. M. 2012. "Considerations on design optimization criteria for windows providing low energy consumption and high visual comfort", *Applied Energy*, vol. 95, pp. 238-245.
48. Ochoa Morales, C. E., Aries, M. B. C., & Hensen, J. L. M. 2012. "State of the art in lighting simulation for building science: a literature review", *Journal of Building Performance Simulation*, vol. 5, no. 4, pp. 209-233.
47. Schellen, L., Timmers, S., Loomans, M., Nelissen, E., Hensen, J. L. M., & Marken Lichtenbelt, W. v. 2012. "Downdraught assessment during design: Experimental and numerical evaluation of a rule of thumb", *Building and Environment*, vol. 57, no. November, pp. 290-301.
46. Blocken, B. J. E., Stathopoulos, T., Carmeliet, J., & Hensen, J. L. M. 2011. "Application of computational fluid dynamics in building performance simulation for the outdoor environment: an overview", *Journal of Building Performance Simulation*. In press.
45. Giesen, B. J. M., Penders, S. H. A., Loomans, M. G. L. C., Rutten, P. G. S., & Hensen, J. L. M. 2011. "Modelling and simulation of a jet fan for controlled air flow in large enclosures", *Environmental Modelling & Software*, vol. 26, no. 2, pp. 191-200.
44. Hoes, P., Trcka, M., Hensen, J. L. M., & Hoekstra Bonnema, B. 2011. "Investigating the potential of a novel low-energy house concept using hybrid adaptable thermal storage ", *Energy Conversion and Management*, vol. 52, no. 6, pp. 2442-2447.
43. Hopfe, C. J. & Hensen, J. L. M. 2011. "Uncertainty analysis in building performance simulation for design support", *Energy and Buildings*, vol. 43, no. 10, pp. 2798-2805.
42. Lee, B., Trcka, M., & Hensen, J. L. M. 2011. "Embodied energy of building materials and green building rating systems — a case study for industrial halls", *Sustainable Cities and Societies*, vol. 1, no. 2, pp. 67-71.
41. Mors, S. t., Hensen, J. L. M., Loomans, M. G. L. C., & Boerstra, A. C. 2011. "", *Building and Environment*, vol. 46, no. 12, pp. 2454-2461.
40. Ulukavak Harputlugil, G., Hensen, J. L. M., & Celebi, G. 2011. "A prospect to develop thermally robust outline design and to explore its applicability to the different climate necessities of Turkey", *International Journal of Low-Carbon Technologies*, vol. 6, no. 1, pp. 76-85.
39. Zoon, W. A. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2011. "Testing the effectiveness of operating room ventilation with regard to removal of airborne bacteria", *Building and Environment*, vol. 46, no. 12, pp. 2570-2577.
38. Costola, D., Blocken, B., Ohba, M., & Hensen, J. L. M. 2010. "Uncertainty in airflow rate calculations due to the use of surface-averaged pressure coefficients", *Energy and Buildings*, vol. 42, no. 6, pp. 881-888.
37. Hoof, J. v., Kort, H. S. M., Duijnste, M. S. H., Rutten, P. G. S., & Hensen, J. L. M. 2010. "The indoor environment and the integrated design of homes for older people with dementia", *Building and Environment*, vol. 45, no. 5, pp. 1244-1261.
36. Hoof, J. v., Kort, H. S. M., Hensen, J. L. M., Duijnste, M. S. H., & Rutten, P. G. S. 2010. "Thermal comfort and the integrated design of homes for older people with dementia", *Building and Environment*, vol. 45, no. 2, pp. 358-370.
35. Hoof, J. v., Mazej, M., & Hensen, J. L. M. 2010. "Thermal comfort: research and practice", *Frontiers in Bioscience*, vol. 15, no. 2, pp. 765-788.

34. Trcka, M. & Hensen, J. L. M. 2010. "Overview of HVAC system simulation", *Automation in Construction*, vol. 19, no. 2, pp. 93-99.
33. Trcka, M., Hensen, J. L. M., & Wetter, M. 2010. "Co-simulation for performance prediction of integrated building and HVAC systems – An analysis of solution characteristics using a two-body system", *Simulation Modelling Practice and Theory*, vol. 18, no. 7, pp. 957-970.
32. Zoon, W. A. C., Heijden, M. G. M. v. d., Loomans, M. G. L. C., & Hensen, J. L. M. 2010. "On the applicability of the laminar flow index when selecting surgical lighting", *Building and Environment*, vol. 45, no. 9, pp. 1976-1983.
31. Costola, D., Blocken, B.J.E., & Hensen, J. L. M. 2009. "Overview of pressure coefficient data in building energy simulation and airflow network programs", *Building and Environment*, vol. 44, no. 10, pp. 2027-2036.
30. Hoes, P., Hensen, J. L. M., Loomans, M. G. L. C., Vries, B. d., & Bourgeois, D. J. 2009. "User behaviour in whole building simulation", *Energy and Buildings*, vol. 41, no. 3, pp. 295-302.
29. Peeters, L., Dear, R. d., Hensen, J., & D'haeseleer, W. 2009. "Thermal comfort in residential buildings: Comfort values and scales for building energy simulation", *Applied Energy*, vol. 86, no. 5, pp. 772-780.
28. Struck, C., Hensen, J., & Kotek, P. 2009. "On the application of uncertainty and sensitivity analysis with abstract building performance simulation tools", *Journal of Building Physics*, vol. 33, no. 1, pp. 5-27.
27. Struck, C., Wilde, P. J. C. J. de, Hopfe, C. J., & Hensen, J. L. M. 2009. "An investigation of the option space in conceptual building design for advanced building simulation", *Advanced Engineering Informatics*, vol. 23, no. 4, pp. 386-395.
26. Trcka, M., Hensen, J. L. M., & Wetter, M. 2009. "Co-simulation of innovative integrated HVAC systems in buildings", *Journal of Building Performance Simulation*, vol. 2, no. 3, pp. 209-230.
25. Beausoleil-Morrison, I. & Hensen, J. L. M. 2008. "Inaugural editorial", *Journal of Building Performance Simulation*, vol. 1, no. 1, p. 1.
24. Lain, M., Zmrhal, V., & Hensen, J. L. M. 2008. "Low-energy cooling of buildings in central Europe – case studies", *International Journal of Ventilation*, vol. 7, no. 1, pp. 11-21.
23. Loomans, M., Houdt, W. v., Lemaire, A. D., & Hensen, J. L. M. 2008. "Performance assessment of an operating theatre design using CFD simulation and tracer gas measurements", *Indoor and Built Environment*, vol. 17, no. 4, pp. 299-312.
22. Hoof, J. v. & Hensen, J. L. M. 2007. "Quantifying the relevance of adaptive thermal comfort models in moderate thermal climate zones", *Building and Environment*, vol. 42, no. 1, pp. 156-170.
21. Hoof, J. v. & Hensen, J. L. M. 2006. "Thermal comfort and older adults", *Gerontechnology*, vol. 4, no. 4, pp. 223-228.
20. Loomans, M., Houdt, W. v., Lemaire, A. D., & Hensen, J. 2006. "Ventilation of operating theatres requires a performance", *Journal of Hospital Infection*, vol. 64, no. 1, p. S80.
19. Trcka (Radosevic), M., Hensen, J. L. M., & Wijsman, A. J. T. M. 2006. "Distributed building performance simulation – a novel approach to overcome legacy code limitations", *Int. Journal of HVAC&R Research*, vol. 12, no. 3a, pp. 621-640.
18. Trcka (Radosevic), M., Hensen, J. L. M., & Wijsman, A. J. T. M. 2006. "Integrated building and system simulation using run-time coupled distributed models",

- ASHRAE Transactions, vol. 112:1, pp. 719-728, American Society of Heating, Refrigerating, and Air-Conditioning Engineers.
17. Djunaedy, E., Hensen, J. L. M., & Loomans, M. 2005. "External coupling between CFD and energy simulation: implementation and validation", ASHRAE Transactions, American Society of Heating, Refrigerating, and Air-Conditioning Engineers, vol. 111:1, pp. 612-624.
 16. Augenbroe, G. & Hensen, J. L. M. 2004. "Simulation for better building design", Building and Environment, vol. 39, no. 8, pp. 875-878.
 15. Djunaedy, E., Hensen, J. L. M., & Loomans, M. 2004. "Selecting an appropriate tool for airflow simulation in buildings", Building Services Engineering Research and Technology, vol. 25, no. 3, pp. 269-278.
 14. Hensen, J. L. M. & Augenbroe, G. 2004. "Performance simulation for better building design", Energy and Buildings, vol. 36, no. 8, pp. 735-736.
 13. Wright, J. A., Augenbroe, G., & Hensen, J. 2004. "Editorial (for special issue with papers from Building Simulation 2003)", Building Services Engineering Research and Technology, vol. 25, no. 3, p. 169.
 12. Djunaedy, E., Hensen, J.L.M. & Loomans, M.G.L.C. 2003. "Towards external coupling of building energy and air flow modeling programs," ASHRAE Transactions, vol. 109:2, pp. 771-787, American Society of Heating, Refrigerating, and Air-Conditioning Engineers.
 11. Hensen, J.L.M., Lamberts, R. & Negrao, C. 2002. "A view of energy and building performance simulation at the start of the 3rd millennium," Energy and Buildings, vol. 34, no. 9, pp. 853-855.
 10. Hensen, J.L.M., Lamberts, R. & Negrao, C. 2002. "Building performance simulation at the start of the 3rd millennium," Building and Environment, vol. 37, pp. 765-767.
 9. Hensen, J.L.M., Bartak, M. & Drkal, F. 2002. "Modeling and simulation of double-skin I systems," ASHRAE Transactions, vol. 108:2, American Society of Heating, Refrigerating, and Air-Conditioning Engineers.
 8. Hensen, J.L.M. & Nakahara, N. 2001. "Energy and building performance simulation: current state and future issues," Energy and Buildings, vol. 33, no. 4, p. v11-ix.
 7. Hensen, J.L.M. & Nakahara, N. 2001. "Building and environmental performance simulation: current state and future issues," Building and Environment, vol. 36, no. 6, p. 671-672.
 6. J.L.M. Hensen 1999. "A comparison of coupled and de-coupled solutions for temperature and air flow in a building," ASHRAE Transactions, vol. 105:2, pp. 962-969, American Society of Heating, Refrigerating, and Air-Conditioning Engineers.
 5. Hensen, J.L.M., Janak, M., Kaloyanov, N.G. & Rutten, P.G.S. 1998. "Introducing Building Energy Simulation Classes on the Web," in ASHRAE Transactions, vol. 104:1, American Society of Heating, Refrigerating, and Air-Conditioning Engineers.
 4. Hensen, J.L.M. & Hamelinck, M.J.H. 1995. "Energy simulation of displacement ventilation in offices," Building Services Engineering Research and Technology, vol. 16, no. 2, pp. 77-81.
 3. Hensen, J.L.M. 1993. "Towards an integral approach of building and HVAC system," Energy and Buildings, vol. 19, no. 4, pp. 297-302.
 2. Clarke, J.A. & Hensen, J.L.M. 1991. "An approach to the simulation of coupled heat and mass flow in buildings," Indoor Air, vol. 1, no. 3, pp. 283-296.
 1. Hensen, J.L.M. 1990. "Literature review on thermal comfort in transient conditions," Building and Environment, vol. 25, no. 4, pp. 309-316.

Books and chapters

12. Hensen, J.L.M. 2018. Foreword in: "Wagner ea 2018 Exploring occupant behavior in buildings; methods and challenges", (IEA EBC Annex 66), Springer International Publishing, Switzerland.
11. Pesch, D., Rea, S., Torrens, J.I., Zavrel, V., Hensen, J.L.M., Grimes, D., O'Sullivan, B., Scherer, T., Birke, R., Chen, L., Engbersen, T., Lopez, L., Pages, E., Mehta, D., Townley, J. and Tsachouridis, V. 2017. Globally Optimised Energy-Efficient Data Centres, Chapter 8 in ICT - Energy Concepts for Energy Efficiency and Sustainability, edited by Giorgos Fagas, Luca Gammaitoni, John P. Gallagher and Douglas J. Paul, InTechOpen.
10. Hensen, J. L. M. 2012. "Evaluation through computational building performance simulation," in Enhancing Building Performance, S. Mallory-Hill, W. F. E. Preiser, & C. G. Watson, eds., Wiley-Blackwell, Oxford, pp. 223-233
9. Hensen, J. L. M. and Lamberts, R. (Eds.), 2011. "Building Performance Simulation for Design and Operation", Spon Press, London.
8. Hensen, J. L. M. and Lamberts, R. 2011. "Introduction to building performance simulation," in Building Performance Simulation for Design and Operation, J.L.M. Hensen & R. Lamberts, ed., pp. 1-14, Spon Press, London.
7. Hensen, J. L. M. 2004, "Integrated building airflow simulation," in Advanced Building Simulation, A. Malkawi & G. Augenbroe, eds., Spon Press, New York, pp. 87-118.
6. Augenbroe, G. & Hensen, J. (ed.) 2003. Building Simulation '03. Proceedings of the 8th International IBPSA Conference, 11 – 14 August 2003, Eindhoven. International Building Performance Simulation Association. Volumes I, II and III.
5. Hensen, J.L.M. 2003. "Gebouwprestatie s(t)imulatie," intreerede Technische Universiteit Eindhoven.
4. Lamberts, R., Negrao, C.O.R. & Hensen, J. (ed.) 2001. Building Simulation '01. Proceedings of the 7th International IBPSA Conference, 13 – 15 August 2001, Rio de Janeiro, International Building Performance Simulation Association, Volumes I and II.
3. Nakahara, N. Yoshida, H., Udagawa, M. & Hensen, J. (ed.) 1999. Building Simulation '99. Proceedings of the 6th International IBPSA Conference, 13 – 15 September 1999, International Building Performance Simulation Association, Kyoto. Volumes I, II, and III.
2. Spitler, J.D. and Hensen, J.L.M. (ed.) 1997. Building Simulation '97. Proceedings of the 5th International IBPSA Conference, 8 – 10 September 1997, International Building Performance Simulation Association, Prague. (ISBN 80-01-01646-3) Volumes I, II, and III.
1. Hensen, J.L.M. 1991. "On the thermal interaction of building structure and heating and ventilating system". Doctoral dissertation Eindhoven University of Technology (FAGO).

Refereed conference papers

230. Boerstra, A. C., Loomans, M. G. L. C. & Hensen, J. L. M. 2017. "Effectiveness of operable windows in office environments.". Healthy Buildings 2017 Europe (Lublin, Poland). 6 p.

299. Borgstein, E.H., Lamberts, R. and Hensen, J.L.M. 2017. Towards benchmarking of HVAC energy in commercial buildings in warm climates, In Proc. of 33rd PLEA International Conference, Edinburgh, 2-5 July 2017, Vol. I, pp. 647 - 654.
298. Guo, F., Yang, X., Xu, L., Torrens, I. & Hensen, J. 2017. A central solar-industrial waste heat heating system with large scale borehole thermal storage In: Proc. 10th Int. Symp. on Heating, Ventilation and Air Conditioning, ISHVAC2017, 19- 22 October 2017, Jinan, China; and also In : Procedia Engineering. 205, p. 1584-1591 8 p.
297. de Klijn-Chevalerias, M.L., Loonen R.C.G.M., Zarzycka, A., de Witte, D., Sarakinoti, M.V., and Hensen, J.L.M. 2017. "Assisting the development of innovative responsive façade elements using building performance simulation". Proceedings of the Symposium on Simulation for Architecture and Urban Design (Canada), p. 243-250 8 p.
296. de Witte, Dennis, de Klijn, M.L., Loonen, R.C.G.M., Hensen, J.L.M., Knaack, Ulrich & Zimmermann, Gregor (2017). Convective Concrete – Additive Manufacturing to facilitate activation of thermal mass. In Thomas Auer, Jens Schneider & Ulrich Knaack (Eds.), POWERSKIN Conference (pp. 319-319).
295. Gaetani, I., Hoes, P. & Hensen, J.L.M. (2017). Introducing and testing a strategy for fit-for-purpose occupant behavior modeling in a simulation-aided building design process. Proceedings of the 15th International IBPSA Conference (Building Simulation 2017), San Francisco.
294. Kosutova, K., Vanderwel, C., van Hooff, T. A. J., Blocken, B. & Hensen, J. L. M. (2017). Wind tunnel experiments of cross-ventilative cooling in a generic isolated building with heated wall. Proceedings of the 7th European and African Conference on Wind Engineering (EACWE 2017), 4-7 July 2017, Liege, Belgium. 1 p.
293. Kotireddy, R., Hoes, P. & Hensen, J.L.M. (2017). Simulation-based comparison of robustness assessment methods to identify robust low-energy building designs. Proceedings of the 15th International IBPSA Conference (Building Simulation 2017), San Francisco.
292. Steen, J. v.d., Loomans, M. G. L. C., Schellens, N. & Hensen, J. L. M. 2017. "Full-scale performance assessment of an innovative climate system for a classroom environment.". Healthy Buildings 2017 Europe (Lublin, Poland). 6 p.
291. Trần Quốc, C.K.V, Xu, L., Torrens Galdiz, J.I. & Hensen, J.L.M. (2017). Model-based assessment of retrofit strategies for the extension of a small district heating system. Proceedings of the 15th International IBPSA Conference (Building Simulation 2017), San Francisco.
290. Xu, L., Torrens Galdiz, J.I. & Hensen, J.L.M. (2017). Comparison of two simulation methods for the technical feasibility of a district heating system using waste heat from a copper plant with thermal storage. Proceedings of the 15th International IBPSA Conference (Building Simulation 2017), San Francisco.
289. Xu, L., Torrens Galdiz, J. I., Guo, F., Yang, X. & Hensen, J. L. M. 2017. "Model-based energy performance assessment of the world largest underground seasonal thermal energy storage in a pilot district heating system in Chifeng City". Proceeding of the 4th Sustainable Thermal Energy Management International Conference (SusTEM 2017) . 10 p.
288. Zavrel,V., Torrens Galdiz, J.I. & Hensen, J.L.M. (2017). Implementation and demonstration of a building simulation based testbed for assessment of data centre multi-domain control strategies. Proceedings of the 15th International IBPSA Conference (Building Simulation 2017), San Francisco.
287. Boerstra, A. C., Loomans, M. G. L. C. & Hensen, J. L. M. 2016. "Effectiveness of operable windows in office environments". Proceedings of 9th Windsor Conference: Making Comfort Relevant. Windsor (UK), p. 590 599 p.

286. Bouwens, E., Loomans, M.G.L.C., Hensen, J.L.M. & Lichtenberg, J.J.N. (2016). Ventilative cooling potential in low-energy dwellings : the HoTT case study. In P.K. Heiselberg (Ed.), CLIMA 2016 : Proceedings of the 12th REHVA World Congress, 22-25 May 2016, Aalborg, Denmark (pp. 1-10). Aalborg: Aalborg University, Department of Civil Engineering.
285. Dijkstra, D., Loomans, M. G. L. C., Hensen, J. L. M. & Cremers, B. E. "Ventilation efficiency in a low-energy dwelling setting – a parameter study for larger rooms." In Proc. Of the 14th International Conference on Indoor Air Quality and Climate (Indoor Air 2016), 3-8 July 2016, Ghent, Belgium, pp. 180-187.
284. Ghasempourabadi, M., Sinapis, K., Loonen, R. C. G. M., Valckenborg, R. M. E., Hensen, J. L. M. & Folkerts, W. Towards simulation-assisted performance monitoring of BIPV systems considering shading effects. Jun 2016 Proceedings of IEEE PVSC 43 conference. 6 p.
283. Melhado, M. A., Loomans, M. G. L. C., Hensen, J. L. M. & Lamberts, R. "Design of air distribution system in operating rooms –theory versus practice" in Proc. Of the 14th International Conference on Indoor Air Quality and Climate (Indoor Air 2016), 3-8 July 2016, Ghent, Belgium , pp. 1102-1109.
282. Montazeri, H., Toparlar, Y., Blocken, B. & Hensen, J. L. M. 2016. "Computational modeling of evaporative cooling using water spray systems: application for an actual urban area" 8th International Colloquium on Bluff Body Aerodynamics and Applications. p. 1-8 8 p. 135.
281. Montazeri, H., Toparlar, Y., Blocken, B. & Hensen, J. L. M. 2016. "Numerical modelling of evaporative cooling using water spray systems for heat stress reduction in urban areas" First International Conference on Urban Physics (FICUP). Quito – Galápagos, Ecuador, p. 1-10
280. Zavrel, V., J.I. Torrens & Hensen, J.L.M. (2016). Simulation-based assessment of thermal aware computation of a bespoke data centre. In P.K. Heiselberg (Ed.), CLIMA 2016 : Proceedings of the 12th REHVA World Congress, 22-25 May 2016, Aalborg, Denmark (pp. 19). Aalborg: Aalborg University, Department of Civil Engineering.
279. Barbosa, R., Loomans, M.G.L.C., Hensen, J.L.M. & Bartak, M. (2015). The impact of increased airflow rates on indoor temperatures of passive house in The Netherlands. In M.G.L.C. Loomans & M. te Kulve (Eds.), Conference Paper : Proceedings of Healthy Buildings 2015 Europe, 18-20 May 2015, Eindhoven, The Netherlands, (pp. 1-7). Eindhoven: ISIAQ.
278. Barbosa, R.M., Bartak, M., Hensen, J.L.M. & Loomans, M.G.L.C. (2015). Ventilative cooling control strategies applied to passive house in order to avoid indoor overheating. Conference Paper : Proceedings Building Simulation '15, 7-9 December 2015, Hyderabad, India, (pp. 7). IBPSA
277. Boerstra, A.C., Loomans, M.G.L.C. & Hensen, J.L.M. (2015). Perceived control over indoor climate and its impact on Dutch office workers. In M.G.L.C. Loomans & M. te Kulve (Eds.), Conference Paper : Proceedings of Healthy Buildings 2015 Europe, 18-20 May 2015, Eindhoven, The Netherlands, (pp. 1-8). Eindhoven: ISIAQ.
276. Hamdy, M. & Hensen, J.L.M. (2015) "Ranking of Dwelling Types in terms of Overheating Risk and Sensitivity to Climate Change", Proceedings Building Simulation '15 (pp. 8). Hyderabad: IBPSA.
275. Hamdy, M. & Hensen, J.L.M. (2015). Assessment of overheating risk in dwellings. Conference Paper : Proceedings of the Conference on Healthy Building Europe 2015, May 18-20th 2015, Eindhoven, The Netherlands, Eindhoven.

274. Kosutova, K., Hooff, T.A.J. van, Blocken, B.J.E. & Hensen, J.L.M. (2015). CFD analysis of ventilative cooling in a generic isolated building equipped with ventilation louvers. Conference Paper : Proceedings of Healthy Buildings 2015 Europe, 18-20 May 2015, Eindhoven, The Netherlands, (pp. 1-8). Eindhoven: ISIAQ.
273. Kotireddy, R.R., Hoes, P. & Hensen, J.L.M. (2015) "Finding a Right Balance between Energy Demand and On-site Generation in Net Zero Energy Buildings Considering Future Scenarios", Proceedings Building Simulation '15 (pp. 8). Hyderabad: IBPSA.
272. Lee, B., Hensen, J.L.M. (2015). Developing a risk indicator to quantify robust building design. In Proc 6th International Building Physics Conference (IBPC 2015), 14-17 June 2015, Torino
271. Loonen, R.C.G.M. & Hensen, J.L.M. (2015) "Smart Windows With Dynamic Spectral Selectivity – A Scoping Study", Proceedings Building Simulation '15 (pp. 8). Hyderabad: IBPSA.
270. Loonen, R.C.G.M., Loomans, M.G.L.C. & Hensen, J.L.M. (2015). Towards predicting the satisfaction with indoor environmental quality in building performance simulation. Conference Paper : Proceedings of Healthy Buildings Europe 2015 : 18-20 May 2015, Eindhoven, The Netherlands, (pp. 1-8). ISIAQ International.
269. Pesch, D., McGibney, A., Sobonski, P., Rea, S., Scherer, Th., Chen, L., Engbersen, T., Mehta, D., O'Sullivan, B., Pages, E., Townley, J., Kasinathan, Dh., Torrens, J.I., Zavrel, V. & Hensen, J.L.M. (2015). The GENiC architecture for integrated data centre energy management. Proceedings 2015 IEEE/ACM 8th International Conference on Utility and Cloud Computing (UCC 2015), 7-10 December 2015, Limassol, Cyprus (pp. 540-546). Piscataway: IEEE
268. Schie, F.T. van, Zavrel, V., Torrens Galdiz, J.I., Hundertmark, T.F.W. & Hensen, J.L.M. (2015) "Optimizing The Total Energy Consumption and CO2 Emissions By Distributing IT Workload Among Worldwide Dispersed Data Centers", Proceedings Building Simulation '15. Hyderabad: IBPSA.
267. Valckenborg, R.M.E., Hensen, J.L.M., Folkerts, W., and Vries, A. de (2015). Characterization of BIPV(T) applications in research facility 'SOLARBEAT'. In Proc.EU PVSEC 2015(pp.6). Hamburg
266. Zavrel, V., Torrens Galdiz, J.I., Bynum, J.D. & Hensen, J.L.M. (2015) "Model Development for Simulation based Global Optimization of Energy Efficient Data Centres", Proceedings Building Simulation '15. Hyderabad: IBPSA.
265. Zelensky, P., Bartak, M. & Hensen, J.L.M. (2015). Simulation of indoor environment in the concert hall housed in a converted former church. Conference Paper : Proceedings of the 14th international building simulation conference (IBPSA) 7-9 december 2015, Hyderabad, India, (pp. 8). Hyderabad.
264. Attia, S. & Hensen, J.L.M. 2014. " Investigating the Impact of Different Thermal Comfort Models for Zero Energy Buildings in Hot Climates", Proceedings 1st Int. Conf. on Energy and Indoor Environment for Hot Climates, ASHRAE, February 24 – 26, 2014, Doha, Qatar.
263. Boerstra, A.C., Loomans, M.G.L.C. & Hensen, J.L.M. 2014. " Personal control over indoor climate and productivity", Proceedings of Indoor Air 2014, 7-12 July 2014, Hongkong, China, (pp. 1-8). Hongkong.
262. Hensen, J.L.M., Archontiki, M., Cóstola, D. & Loonen, R.C.G.M. (2014). Simulation support for research and development of advanced building skin concepts. Conference Paper : *Proceedings of the 9th Energy Forum on Advanced Building Skins, 28-29 October 2014, Bressanone, Italy, (pp. 1091-1107).*

261. Kemenade, P. van, Loomans, M.G.L.C., Opschoor, S. & Hensen, J.L.M. 2014. " Building comfort performance assessment using a monitoring tool", Proceedings of the 13th International Conference on Indoor Air Quality and Climate(Indoor Air 2014), 7-12 July 2014, Hongkong, China, (pp. 1-7).
260. Khandelwal, H., Roberz, F., Loonen, R.C.G.M., Hensen, J.L.M., Bastiaansen, C.W.M., Broer, D.J., Debije, M.G. & Schenning, A.P.H.J. (2014). Infrared reflector based on liquid crystal polymers and its impact on thermal comfort conditions in buildings. In I. C. Khoo (Ed.), Conference Paper : *Liquid Crystals XVIII, August 17, 2014, San Diego, USA, (Proceedings of SPIE, 9182, pp. 91820S-1-91820S-8)*. Bellingham: SPIE.
259. Zelenský, P., Barták, M., Hensen, J. L. M (2012). Vliv modelu turbulence na CFD simulaci vnitřního zdroje tepla. In: *Proceeding of the 7th Conference IBPSA-CZ, Simulace budov a techniky prostředí 2012*, Brno, Czech Republic.
258. Ramponi, R., Cóstola, D., Angelotti, A., Blocken, B.J.E. & Hensen, J.L.M. (2011). Evaluation of wind-driven ventilation in building energy simulation: sensitivity to pressure coefficients. Conference Paper : CleanTech for Sustainable Buildings: From Nano to Urban Scale (CISBAT), *Lausanne, September 2011, (pp. 949-954)*. Lausanne, Switzerland.
257. Vreenegoor, R.C.P., Vries, B. de & Hensen, J.L.M. (2010). Evaluating the district energy performance using a multi agent system. In H.J.P. Timmermans & B de Vries (Eds.), 10th International conference on design and decision support systems in architecture and urban planning, (pp. 1-13). Eindhoven: Eindhoven University of Technology.
256. Boerstra, A.C., Loomans, M.G.L.C. & Hensen, J.L.M. (2014). Personal control over indoor climate and productivity. Conference Paper : *Proceedings of the 13th International Conference on Indoor Air Quality and Climate (Indoor Air 2014), 7-12 July 2014, Hongkong, China, (pp. 1-8)*. Hongkong.
255. Kemenade, P. van, Loomans, M.G.L.C., Opschoor, S. & Hensen, J.L.M. (2014). Building comfort performance assessment using a monitoring tool. Conference Paper : *Proceedings of the 13th International Conference on Indoor Air Quality and Climate (Indoor Air 2014), 7-12 July 2014, Hongkong, China, (pp. 1-7)*.
254. Loonen, R.C.G.M., Hoes, P. & Hensen, J.L.M. (2014). Performance prediction of buildings with responsive building elements challenges and solutions. In L Malki-Epshtein, C Spataru, L Marjanovic Halburd & D Mumovic (Eds.), Conference Paper : *Proceedings of the 2014 Building Simulation and Optimization Conference (BSO14), 23-24 June 2014, London, United Kingdom, (pp. 1-8)*. London.
253. Loonen, R.C.G.M. & Hensen, J. L. M. 2014. " Considerations regarding optimization of dynamic facades for improved energy performance and visual comfort", Proceedings of the COLEB 2014 Workshop - Computational Optimisation of Low-Energy Buildings / Ed. R Evins, V Dorer, J Carmeliet. - Zürich, Switzerland : s.n., 2014. - pp. 7-8.
252. Loonen, R.C.G.M., Hoes, P. & Hensen, J. L. M. 2014. " Performance prediction of buildings with responsive building elements challenges and solutions", Proceedings of the 2014 Building Simulation and Optimization Conference (BSO14), 23-24 June 2014, London, United Kingdom / Ed. L Malki-Epshtein, C Spataru, L Marjanovic Halburd, D Mumovic. - London : s.n., 2014. - pp. 1-8.
251. Mangkuto R.A, Aries M.B.C, Loenen E. J. van & Hensen J.L.M., 2014. "Simulation Study of a Virtual Natural Lighting Solutions Prototype: Validation and Analysis." In Proc. EXPERIENCING LIGHT 2014, Eindhoven, 10-11 November.
250. Montazeri, H., Blocken, B.J.E. & Hensen, J. L. M. 2014. " Numerical investigation of evaporative cooling provided by a mist spraying system", Proceedings of the

- 6th International Symposium on Computational Wind Engineering - CWE2014, 8-12 June 2014, Hamburg, Germany, pp. 1-8.
249. Pernigotto, G., Prada, A., Gasparella, A. & Hensen, J.L.M. 2014. "Development of sets of simplified building models for building simulation." Proc. 3rd International High Performance Buildings Conference at Purdue, July 14-17, (pp. 1-10).
248. Prada, A., Pernigotto, G., Cappelletti, F., Gasparella, A. & Hensen, J.L.M. 2014. "Robustness of multi-objective optimization of building refurbishment to suboptimal weather data." Proc. 3rd International High Performance Buildings Conference at Purdue, July 14-17, (pp. 1-10).
247. Soons, F.F.M., Torrens Galdiz, J.I., Hensen, J.L.M. & Schrevel, R.A.M. de 2014. "A Modelica based computational model for evaluating a renewable district heating system." Proc. 9th International Conference on System Simulation in Buildings, Liege, December 10-12, (pp. 1-16).
246. Xie, Qimiao, Lu, Shouxiang, Cóstola, D. & Hensen, J.L.M. 2014. "An Arbitrary Polynomial Chaos-Based Approach to Analyzing the Impacts of Design Parameters on Evacuation Time under Uncertainty." Proc. 11th International Symposium on Fire Safety Science, February 10 – 14 at the University of Canterbury, Christchurch, New Zealand, (pp. 1-14).
245. Zavřel, V., Bartak, M. & Hensen, J.L.M. 2014. "Simulation of a data center cooling system in an emergency situation." Proc. Simulace budov a techniky prostředí 2014, 8th IBPSA-CZ conference, (pp. 1-7). Prague.
244. Zelensky, P., Hensen, J.L.M., Bynum, J.D., Zavrel, V. & Bartak, M. 2014. "Air-flow modeling in design and operation of data centers." Proc. Simulace budov a techniky prostředí 2014, 8th IBPSA-CZ conference, (pp. 1-5). Prague.
243. Montazeri, H., Blocken, B.J.E. & Hensen, J. L. M. 2014. "Convective heat transfer at the surfaces of a surface-mounted cube in a turbulent boundary layer : LES and RANS simulations", Proceedings of the 7th International Congress on Environmental Modelling and Software (iEMSs) , 15-19 June 2014, San Diego, California, USA.. - S.I. : s.n., 2014. - pp. 1-8.
242. Montazeri, H., Blocken, B.J.E. & Hensen, J. L. M. 2014. "Numerical evaluation of evaporative cooling by mist spraying systems : validation and application", Proceedings of the 13th Conference of the Italian Association for Wind Engineering, IN-VENTO, 22-25 June 2014, Genova, Italy, pp. 1-4.
241. Zelensky, P., Bartak, M. Hensen, J.L.M. 2013. "Influence of turbulence model on thermal plume in indoor air flow simulation", Proceedings of the 11th REHVA World Congress & 8th international Conference on IAQVEC(CLIMA2013), "Energy efficient, smart and healthy buildings", Prague, pp 10.
240. Zelensky, P., Bartak, M. & Hensen, J.L.M. 2013. "Simplified representation of indoor heat sources in CFD simulations", Proceedings of BS 2013: 13th Conference of the International Building Performance Simulation Association, pp 23-29.
239. Struck, C. & Hensen, J.L.M. 2013. "Scenario analysis for the robustness assessment of building design alternatives – a Dutch case study", Proceedings of CISBAT 2013, Lausanne: EPFL, pp 1-6.
238. Pernigotto, G., Gasparella, A., Hensen, J.L.M. 2013. "Long term evaluation of building energy performance: comparison of the test reference year and historical data series in the North Italian climates", Proceedings of the 1st IBPSA-Italy conference Building Simulation Applications, Bolzano, Italy, pp 343-352.
237. Montazeri, H., Blocken, B.J.E. & Hensen, J.L.M. 2013. "Numerical simulation of convective heat transfer at the surfaces of a cube", Proceedings of the Eurotherm Seminar No96: Convective Heat Transfer Enhancement, 17-18 September 2013, Brussels, Belgium, pp 1-6.
236. Melo, A.P., Lamberts, R., Cóstola, D. & Hensen, J.L.M. 2013. "Desenvolvimento de um metodo para aprimorar a precisao do metodo do metodo prescritivo da

- etiquetagem procel/inmetro para edificios comerciais”, Proceedings of XII ENCAC Encontro Nacional de Conforto no Ambiente Construido, Brasilia, pp 1-10.
235. Melo, A.P., Lamberts, R., Cóstola, D. & Hensen, J.L.M. 2013. “Development of a method to predict building energy consumption through an artificial neural network approach”, Proceedings of BS2013: 13th Conference of International Building Performance Simulation Association, pp 644-651.
234. Mangkuto, R.A., Claessen, R.N.H., Aries, M.B.C., Loenen, E.J. van & Hensen, J.L.M. 2013. “Space availability of buildings with virtual natural lighting solutions”, Proceedings of Lux Europa 2013 – the 12th European Lighting Conference, 17-19 september 2013, Krakow, Polen, pp 275-280.
233. Mangkuto, R.A., Aries, M.B.C., Loenen, E.J. van & Hensen, J.L.M. 2013. : “Development of virtual natural lighting solutions with a simplified view using lighting simulation”, Proceedings of the 13th Conference of International Building Performance Simulation Association (IBPSA2013), 26-28 August 2013, Chambéry, France, pp 3383-3390.
232. Loonen, R.C.G.M. & Hensen, J.L.M. 2013. “Dynamic sensitivity analysis for performance-based building design and operation”, Proceedings of BS2013: 13th Conference of International Building Performance Simulation Association, 26-28 August 2013, Chambéry, France, pp 299-305.
231. Lee, C., Cóstola, D., Loonen, R.C.G.M. & Hensen, J.L.M. 2013. “Energy saving potential of long-term climate adaptive greenhouse shells”, Proceedings of BS2013: 13th Conference of International Building Performance Simulation Association, 26-28 August 2013, Chambéry, France, pp 954-961.
230. Lee, B., Trcka, M. & Hensen, J.L.M. 2013. “Towards zero energy industrial halls – simulation and optimization with integrated design approach”, Proceedings of BS2013: 13th conference of international Building Performance Simulation Association, Chambéry, France, August 26-28, pp 1339-1346.
229. Hoes, P., Trcka, M., Hensen, J.L.M. & Hoekstra Bonnema, B. 2013. “Computational performance prediction of an adaptable thermal storage concept”, Proceedings of the 11th REHVA World Congress & 8th international Conference of IAQVEC (CLIMA 2013), “Energy efficient, smart and healthy buildings”, 16-19 June 2013, Prague, Czech Republic.
228. Hensen, J.L.M. & Bynum, J.D. 2013. “Whole building energy performance anomaly detection at TU Eindhoven”, Proceedings of the 13th International Conference for Enhanced Building Operations (ICEBO 2013), Montreal.
227. Heijden, M.G.M. van der, Blocken, B.J.E. & Hensen, J.L.M. 2013. “Towards the intergration of the urban heat island in building energy simulations. Proceedings of BS 2013:13th Conference of the International Building Simulation Association, pp 1006-1013.
226. Attia, S., Gratia, E., Herde, A. de & Hensen, J.L.M. 2013. “Tool for design decision making: Zero energy residential buildings in hot humid climate”, Proceedings of BS 2013, 13th Conference of the International Building Performance Simulation Association, pp 3720-3727.
225. Lee, B., Trcka, M. & Hensen, J. L. M. 2013. "Building energy simulation and optimization of industrial halls", Proceedings of the ASHRAE 2013 Winter Conference: Shaping tomorrow's build environment today, 26-30 January 2013, Dallas TX USA, pp. 1-8.
224. Boer, B. d., Bakker, L., Oeffelen, E. C. M. v., Loonen, R. C. G. M., Costola, D., & Hensen, J. L. M. 2012. "Future climate adaptive building shells - Optimizing energy and comfort by inverse modeling", Proceedings of the 8th Energy Forum on Solar Building Skins, 6-7 December, Bressanone, Italy, pp. 15-19.
223. Boerstra, A. C., Beuker, T. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2012. "Impact of available and perceived control on comfort and health in European office buildings", Proceedings of the 7th Windsor Conference: The changing context of

- comfort in an unpredictable world , 12-15 April, Windsor, UK, Network for Comfort and Energy Use in Buildings - NCEUB, pp. 1-12.
222. Boerstra, A. C., Beuker, T. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2012. "Impact of perceived control on comfort and health in European office buildings", Proceedings of the 10th International Conference on Healthy Buildings, 8-12 July, Brisbane, International Society of Indoor Air Quality and Climate - ISIAQ, pp. 1-6.
221. Boerstra, A. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2012. "Modelling personal control over indoor climate", Proceedings of the 10th International Conference on Healthy Buildings, 8-12 July, Brisbane, International Society of Indoor Air Quality and Climate - ISIAQ, pp. 1-6.
220. Boer, B. d., Bakker, L., Oeffelen, E. C. M. v., Loonen, R. C. G. M., Costola, D., & Hensen, J. L. M. 2012. "Future climate adaptive building shells - Optimizing energy and comfort by inverse modeling", Proceedings of the 8th Energy Forum on Solar Building Skins, 6-7 December, Bressanone, Italy, pp. 15-19.
219. Cademartori, E., Mutani, G., Costola, D., & Hensen, J. L. M. 2012. "Evaluation of retrofitting strategies for energy savings in Brazilian hotels", WESC, Proceedings of the 9th World Energy System Conference, 28-30 June, Suceava, Romania, pp. 827-830.
218. Costola, D., Blocken, B., & Hensen, J. L. M. 2012. "On inter-model comparison exercises of whole building HAM simulation using the BESTEST building", SimBuild, Proceedings of the 5th IBPSA-USA Conference, 1-3 August, Madison, International Building Performance Simulation Association, pp. 152-158.
217. Creemers, P., Claessen, R., Boerstra, A. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2012. "Exercised control in Dutch office buildings and its effect on temperature, CO2 concentration and other IEQ parameters", Proceedings of the 10th International Conference on Healthy Buildings, 8-12 July, Brisbane, International Society of Indoor Air Quality and Climate - ISIAQ, pp. 1-6.
216. Heijden, M. G. M. v. d., Blocken, B., & Hensen, J. L. M. 2012. "Heat wave vulnerability classification of residential buildings", Proceedings of the 7th Windsor Conference: The changing context of comfort in an unpredictable world, 12-15 April, Windsor, UK, Network for Comfort and Energy Use in Buildings - NCEUB, pp. 1-6.
215. Hopfe, C. J., Emmerich, M. T. M., Marijt, R., & Hensen, J. L. M. 2012. "Robust multi-criteria design optimization in building design", BSO12, Proceedings of the 1st IBPSA-England Conference Building Simulation and Optimization, 10-11 September, Loughborough, UK, International Building Performance Simulation Association, pp. 118-125.
214. Hoes, P., Loonen, R. C. G. M., Trcka, M., & Hensen, J. L. M. 2012. "Performance prediction of advanced building controls in the design phase using ESP-r, BCVTB and Matlab", BSO12, Proceedings of the 1st IBPSA-England Conference Building Simulation and Optimization, 10-11 September, Loughborough, UK, International Building Performance Simulation Association, pp. 229-236.
213. Lee, B., Trcka, M., & Hensen, J. L. M. 2012. "Are optimized design solutions robust? A case in point - industrial halls with varying process loads and occupancy patterns", ASim, Proceedings of the 1st Asia Conference of the International Building Performance Simulation Association, 25-27 November, Shanghai, IBPSA-Asia, pp. 1-8.
212. Lee, B., Trcka, M., & Hensen, J. L. M. 2012. "Optimizing economic benefit of rooftop photovoltaic (PV) systems through lowering energy demand of industrial halls", IBPSA, Proceedings of the 5th International Building Physics Conference, 28-31 May, Kyoto, pp. 727-732.

211. Lee, C., Costola, D., Swinkels, G. L. A. M., & Hensen, J. L. M. 2012. "On the use of building energy simulation programs in the performance assessment of agricultural greenhouses", ASim, Proceedings of the 1st Asia Conference of the International Building Performance Simulation Association, 25-27 November, Shanghai, IBPSA-Asia, pp. 1-8.
210. Mangkuto, R. A., Aries, M. B. C., Loenen, E. J. v., & Hensen, J. L. M. 2012. "Lighting performance of virtual natural lighting solutions with a simplified image in a reference office space", Proceedings of the Experiencing Light 2012, 12-13 November, Eindhoven, pp. 1-4.
209. Attia, S., Hamdy, M., Samaan, M., De Herde, A., & Hensen, J. L. M. 2011. "Towards strategic use of BPS tools in Egypt", Building Simulation 2011, Proceedings of the 12th Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 40-47.
208. Boer, B. d., Ruijg, G. J., Bakker, L., Kornaat, W., Zonneveldt, L., Kurvers, S., Alders, N., Raue, A., Hensen, J. L. M., Loonen, R. G. C. M., & Trcka, M. 2011. "Energy saving potential of climate adaptive building shells - inverse modelling of optimal thermal and visual behaviour", Proceedings of the International Adaptive Architecture Conference, 3-5 March, London, p. -16.
207. Boer, B. d., Ruijg, G. J., Loonen, R. G. C. M., Trcka, M., Hensen, J. L. M., & Kornaat, W. 2011. "Climate adaptive building shells for the future – optimization with an inverse modelling approach", Proceedings of the ECEEE Summer Study 2011, June 2011, Belambra Presqu'île de Giens, France, European Council for an Energy Efficient Economy, pp. 1413-1422.
206. Costola, D., Blocken, B., & Hensen, J. L. M. 2011. "Validação de simulações combinadas usando programas de simulação de energia do edifício e programas de transferência de calor, ar e umidade em componentes construtivos", Proceedings of the XI Encontro Nacional de Conforto no Ambiente Construído, 17-19 August, Buzios, Brazil, ANTAC, p. 9.
205. Heijden, M. G. M., Loomans, M. G. L. C., Lemaire, A. D., & Hensen, J. L. M. 2011. "Fire safety assessment of semi-open car parks", Building Simulation 2011, Proceedings of the 12th Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 2843-2850.
204. Hensen, J. L. M. 2011. "Building performance simulation for sustainable building design and operation", Proceedings of the 60th anniversary Environmental Engineering Department, Czech Technical University, 14 September, Prague, p. 8.
203. Hoes, P., Trcka, M., Hensen, J. L. M., & Hoekstra Bonnema, B. 2011. "Optimizing building designs using a robustness indicator with respect to user behavior", Building Simulation 2011, Proceedings of the 12th Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 1710-1717.
202. Lee, B., Trcka, M., & Hensen, J. L. M. 2011. "Economic performance assessment of the deployment of rooftop photovoltaic systems for industrial halls", Building Simulation 2011, Proceedings of the 12th Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 2024-2031.
201. Lichtenberg, J. J. N., Ham, M., & Hensen, J. L. M. 2011. "House of tomorrow today", Proceedings of the SB11 World Sustainable Building Conference, 18-21 October, Helsinki, p. 5.
200. Loonen, R. G. C. M., Trcka, M., & Hensen, J. L. M. 2011. "Exploring the potential of climate adaptive building shells", Building Simulation 2011, Proceedings of the 12th

- Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 2148-2155.
199. Mangkuto, R. A., Aries, M. B. C., Loenen, E. J. v., & Hensen, J. L. M. 2011. "Properties and performance indicators of virtual natural lighting solutions", Proceedings of the CISBAT 2011 - Cleantech for sustainable buildings conference, 14-16 September, Lausanne, J. L. Scartezzini, ed., EPFL, pp. 379-384.
 198. Mangkuto, R. A., Ochoa, C. E., Aries, M. B. C., Loenen, E. J. v., & Hensen, J. L. M. 2011. "Review of Modelling Approaches for Developing Virtual Natural Lighting Solutions", Building Simulation 2011, Proceedings of the 12th Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 2643-2650.
 197. Melo, A. P., Costola, D., Lamberts, R., & Hensen, J. L. M. 2011. "Determinacao do nivel de eficiencia da envoltoria de edificacoes comerciais de acordo com o RTQ-C", Proceedings of the XI Encontro Nacional de Conforto no Ambiente Construído, 17-19 August, Buzios, Brazil, ANTAC, p. 10.
 196. Melo, A. P., Lamberts, R., Costola, D., & Hensen, J. L. M. 2011. "Capability and deficiency of the simplified model for energy calculation of commercial buildings in the Brazilian regulation", Building Simulation 2011, Proceedings of the 12th Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 902-909.
 195. Ochoa, C. E., Aries, M. B. C., Aarts, M. P. J., Loenen, E. J. v., & Hensen, J. L. M. 2011. "Integrating visual and energy criteria for optimal window design in temperate climates", Proceedings of the CISBAT 2011 - Cleantech for sustainable buildings conference, 14-16 September, Lausanne, J. L. Scartezzini, ed., EPFL, pp. 589-594.
 194. Ramponi, R., Costola, D., Angelotti, A., Blocken, B., & Hensen, J. L. M. 2011. "Evaluation of wind-driven ventilation in building energy simulation: sensitivity to pressure coefficients", Proceedings of the CISBAT 2011 - Cleantech for sustainable buildings conference, 14-16 September, Lausanne, J. L. Scartezzini, ed., EPFL, pp. 949-954.
 193. Trcka, M., Loonen, R. G. C. M., Hensen, J. L. M., & Houben, J. V. F. 2011. "Computational building performance simulation for integrated design and product optimization", Building Simulation 2011, Proceedings of the 12th Int. IBPSA conference, 14-16 November, Sydney, Int. Building Performance Simulation Association, pp. 302-309.
 192. Trcka, M. & Hensen, J. L. M. 2011. "HVAC system simulation: overview, issues and some solutions", Proceedings of the ICR, 23rd IIR International Congress of Refrigeration, 21-26 August, Prague, IIR, p. 8.
 191. Zoon, W. A. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2011. "On the numerical accuracy of particle dispersion simulation in operating theatres", Proceedings of the 12th International Conference on Indoor Air Quality and Climate, 5-10 June, Austin, TX, ISIAQ, p. 5.
 190. Blocken, B. J. E., Briggen, P. M., Schellen, H. L., & Hensen, J. L. M. 2010. "Climate change and high-resolution whole-building numerical modelling", in Effect of climate change on built heritage, 11-12 March, Eindhoven, WTA-34 edn, T. Bunnik et al., eds., WTA, Pfaffenhofen, pp. 195-216.
 189. Gontikaki, M., Trcka, M., Hensen, J. L. M., & Hoes, P. 2010. "Optimization of a solar chimney design to enhance natural ventilation in a multi-storey office building", Proceedings of the 10th International Conference Enhanced Building Operations ICEBO, October 26-28, Kuwait, p. 10.

188. Hensen, J. L. M. 2010. "Building performance simulation for sustainable buildings", Proceedings of the 3rd Int. Conf. on Technology of Architecture and Structure / ICTAS, 14-15 November, Beijing, p. 8
187. Hoes, P., Trcka, M., & Hensen, J. L. M. 2010. "Investigating the potential of a novel low-energy house concept with hybrid adaptable thermal storage", Proceedings of the 9th International Conference on Sustainable Energy Technologies SET2010, 24-27 August, Shanghai, p. 8
186. Hoes, P., Trcka, M., Hensen, J. L. M., & Hoekstra Bonnema, B. 2010. "Exploring the optimal thermal mass to investigate the potential of a novel low-energy house concept", Proceedings of the 10th International Conference Enhanced Building Operations ICEBO, October 26-28, Kuwait, p. 9.
185. Hoes, P., Trcka, M., Hensen, J. L. M., & Hoekstra Bonnema, B. 2010. "Onderzoek naar het potentieel van hybride adaptieve thermische energieopslagsystemen voor laag-energiewoningen", Proceedings of the IBPSA-NVL Conference, 3 October, Eindhoven, p. 8.
184. Houben, J. V. F., Hensen, J. L. M., Trcka, M., & Zanden, W. 2010. "Computational Innovation Steering: Simulation-assisted performance improvement of innovative buildings and systems", Proceedings of the System Simulation in Buildings Conference SSB, 13-15 December, Liege, Belgium, p. 20.
183. Houben, J. V. F., Hensen, J. L. M., Trcka, M., & Zanden, W. 2010. "Computational innovation steering: gebouwsimulatie en risicoanalyse ter ondersteuning van het ontwerpproces", Proceedings of the IBPSA-NVL Conference, 3 October, Eindhoven, p. 8.
182. Lee, B., Trcka, M., & Hensen, J. L. M. 2010. "Embodied energy of building materials and green building rating systems - a case study for industrial halls", Proceedings of the 9th International Conference on Sustainable Energy Technologies SET2010, 24-27 August, Shanghai, p. 8.
181. Loonen, R. G. C. M., Trcka, M., Costola, D., & Hensen, J. L. M. 2010. "Performance simulation of climate adaptive building shells - Smart Energy Glass as a case study", Proceedings of the System Simulation in Buildings Conference SSB, 13-15 December, Liege, Belgium, p. 19.
180. Loonen, R. G. C. M., Costola, D., Trcka, M., & Hensen, J. L. M. 2010. "Prestatiesimulatie van adaptieve gevels - Smart Energy Glass als case-study", Proceedings of the IBPSA-NVL Conference, 3 October, Eindhoven, p. 8.
179. Mirsadeghi, M., Costola, D., Blocken, B. J. E., & Hensen, J. L. M. 2010. "Towards the application of distributed simulation in HAM engineering", Proceedings of the SimBuild, 11-13 August, New York, IBPSA-USA, pp. 207-214.
178. Ochoa, C. E., Aries, M. B. C., & Hensen, J. L. M. 2010. "Current perspectives on lighting simulation for building science", Proceedings of the IBPSA-NVL Conference, 3 October, Eindhoven, p. 8.
177. Rietkerk, J., Schijndel, A. W. M., Hensen, J. L. M., & Ruchti, J. P. 2010. "Evaluation of the concrete core conditioning performance for flexible building zone configurations", Proceedings of the System Simulation in Buildings Conference SSB, 13-15 December, Liege, Belgium, p. 20.
176. Struck, C., Hensen, J. L. M., & Plokker, W. 2010. "Usability evaluation of a prototype design tool for uncertainty propagation and sensitivity analysis, Proceedings of the BauSIM IBPSA-Germany/Austria Conference, 22-24 September, Vienna, p. 8.
175. Tuij, B. G. C. C., Houten, M. A., Trcka, M., & Hensen, J. L. M. 2010. "Occupancy based fault detection on building level - a feasibility study", Proceedings of the 10th

- International Conference Enhanced Building Operations ICEBO, October 26-28, Kuwait, p. 6.
174. Vreenegoor, R. C. P., Vries, B. d., & Hensen, J. L. M. 2010. "Evaluating the district energy performance using a multi agent system", in Proc. 10th Int. Conf. on Design and Decision Support Systems in Architecture and Urban Planning, Eindhoven, 19-22 July, H. J. P. Timmermans & B. d. Vries, eds., Technische Universiteit Eindhoven
 173. Zoon, W., Hensen, J., Zuurbier, P., Treur, M., & Loomans, M., 2010. Estimating operating room ventilation system performance in realistic scenarios. *Journal of Hospital Infection* 76[S.1], S64
 172. Aarts, M. P. J., Boxem, G., Costola, D., Diepens, J. F. L., Gousseau, P., Hensen, J. L. M., Hoof, J. v., Hooff, J. v., Hopfe, C. J., Loomans, M. G. L. C., Melhado, M., Mirsadeghi, M., Rutten, P. G. S., Schellen, H., Schellen, L., Schijndel, A. W. M. v., Struck, C., Trcka, M., Vreenegoor, R., Zeiler, W., & Zoon, W. A. C. 2009. "Healthy environments from a broad perspective - an overview of research performed at the unit Building Physics and Systems of Eindhoven University of Technology.", *Proceedings of the International Conference on Perspectives on European Healthcare Design and Planning: Achieving Excellence in Diversity*, 26 May, TNO - 3TU, Delft, 10 pages.
 171. Attia, S., Beltran, L., Herde, A. d., & Hensen, J. 2009. "'Architect Friendly': a comparison of ten different building performance simulation tools", *Proceedings of the 11th IBPSA Building Simulation Conference*, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 204-211.
 170. Blocken, B., Stathopoulos, T., Carmeliet, J., & Hensen, J. 2009. "Application of CFD in building performance simulation for the outdoor environment", *Proceedings of the 11th IBPSA Building Simulation Conference*, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 489-496
 169. Costola, D., Blocken, B. J. E., & Hensen, J. L. M. 2009. "A comparison of generic pressure coefficient data for natural ventilation and infiltration studies", *Proceedings of the 4th International Building Physics Conference*, 15-18 June, Beysanmatbaa, Istanbul, pp. 843-849
 168. Costola, D., Blocken, B., & Hensen, J. 2009. "External coupling between BES and HAM programs for whole-building simulation", *Proceedings of the 11th IBPSA Building Simulation Conference*, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 316-323.
 167. Hopfe, C. J. & Hensen, J. 2009. "Experiences testing enhanced building performance simulation prototypes on potential user group", *Proceedings of the 11th IBPSA Building Simulation Conference*, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 1976-1982.
 166. Hopfe, C. J., Augenbroe, G., Hensen, J., Wijsman, A., & Plokker, W. 2009. "The impact of future climate scenarios on decision making in building performance simulation: a case study", in *Proc. EuropeIA 12th Int. Conf. - Innovations for Building and Construction, Towards a better, stronger and sustainable future using advanced ICT*, E. Dado, R. Beheshti, & K. Zreik, eds., EuroplA, Paris, pp. 1 - 14
 165. Hoof, J. v., Kort, H. S. M., Hensen, J. L. M., Duijnste, M. S. H., & Rutten, P. G. S. 2009. "Thermal comfort and HVAC design for people with dementia", *Proceedings of the 9th Int. Healthy Buildings Conference*, 13-17 September, S. Santanam et al., eds., Syracuse, p. 4 on CD.
 164. Lain, M., Hensen, J., & Zmrhal, V. 2009. "Computer simulation for better design and operation of large office building air-conditioning", *Proceedings of the 11th IBPSA*

- Building Simulation Conference, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 740-745
163. Mirsadeghi, M., Blocken, B., & Hensen, J. 2009. "Application of externally-coupled BES-CFD in HAM engineering of the indoor environment", Proceedings of the 11th IBPSA Building Simulation Conference, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 324-331.
 162. Plokker, W., Evers, J. E. J., Struck, C., Wijsman, A., & Hensen, J. 2009. "First experiences using climate scenarios for The Netherlands in building performance simulation", Proceedings of the 11th IBPSA Building Simulation Conference, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 1284-1291
 161. Struck, C., Wilde, P. d., Evers, J. E. J., Hensen, J., & Plokker, W. 2009. "On selecting weather data sets to estimate a building design's robustness to climate variations", Proceedings of the 11th IBPSA Building Simulation Conference, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 513-520.
 160. Struck, C., Roelofs, J., Schijndel, H. v., Hensen, J., & Wijsman, A. 2009. "A comparison of measured and estimated electric energy use and the impact of assumed occupancy patterns", Proceedings of the 1st Swiss Building and Urban Simulation Conference, 6 November, International Building Performance Simulation Association - Switzerland - IBPSA-CH, Horw (CH), p. 8 on CD.
 159. Trcka, M., Wetter, M., & Hensen, J. 2009. "An implementation of co-simulation for performance prediction of innovative integrated HVAC systems in buildings", Proceedings of the 11th IBPSA Building Simulation Conference, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 724-731
 158. Ulukavak Harputlugil, G., Wilde, P. d., Hensen, J., & Celebi, G. 2009. "Development of a thermally robust school outline design for the different climate regions of Turkiye", Proceedings of the 11th IBPSA Building Simulation Conference, 27-30 July, International Building Performance Simulation Association, Glasgow, pp. 1292-1298.
 157. Vreenegoor, R. C. P., Krikke, T., Mierlo, B. P. v., Pluijm, W. M. P. v. d., Poortvliet, R., Hensen, J. L. M., & Loomans, M. G. L. C. 2009. "What is a green building?", Proceedings of the SET2009, 8th International Conference on Sustainable Energy Technologies, 31 August - 3 September, Aachen, p. 8 pages.
 156. Zoon, W. A. C., Heijden, M. G. M. v. d., Hensen, J. L. M., & Loomans, M. G. L. C. 2009. "Influence of the shape of surgical lights on the disturbance of the airflow", Proceedings of ROOMVENT, 11th International Conference on Air Distribution in Rooms, 24-27 May, Busan, Korea, 8 pages.
 155. Costola, D., Blocken, B., & Hensen, J. L. M. 2008. "Uncertainties due to the use of surface averaged wind pressure coefficients", Proceedings of the 29th AIVC Conference, 14-16 October, Air Infiltration and Ventilation Center, Kyoto, p. 6 on CD.
 154. Costola, D., Mirsadeghi, M., Blocken, B., & Hensen, J. 2008. "Towards external coupling of BES and HAM envelope programs for whole building HAM simulation", Proceedings of the Building Physics Symposium, 29-31 October, Katholieke Universiteit Leuven, p. 4 on CD.
 153. Emmerich, M. T. M., Hopfe, C. J., R., Hensen, J., Struck, C., & Stoelinga, P. 2008. "Evaluating optimization methodologies for future integration in building performance tools", Proceedings of the 8th Int. Conf. on Adaptive Computing in Design and Manufacture (ACDM), 29 April - 1 May, Bristol, p. 7 on CD.

152. Evers, J. E. J., Struck, C., Hensen, J., Wijsman, A. J. T. M., & Plokker, W. 2008. "Eerste ervaringen met het gebruik van toekomstige klimaatscenario's in gebouwsimulatieprogramma's", Proceedings of the Symposium Gebouwsimulatie: Ontmoeten & Ontdekken, 9 October, IBPSA-NVL, Eindhoven, p. 13 on CD.
151. Hojer, O., Basta, J., & Hensen, J. 2008. "On the relation between shape and downward radiation of overhead radiant heaters", Proceedings of the 8th Int Conference on Furnaces and Industrial Boilers, INFUB, 25 - 28 March, Vilamoura, p. 7 pages on CD.
150. Hoof, J. v., Kort, H. S. M., & Hensen, J. L. M. 2008. "Thermal comfort and HVAC design for people with dementia", Proceedings of the IFA's 9th Global Conference on Ageing, 4-7 September, International Federation on Ageing, Montreal, p. 18 on CD.
149. Hoof, J. v., Kort, H. S. M., Duijnste, M. S. H., Schoutens, A. M. C., Hensen, J. L. M., & Begemann, S. H. A. 2008. "The indoor environment in relation to people with dementia", Proceedings of the 11th International Conference on Indoor Air Quality and Climate, Indoor Air, 17-22 August, P. Strøm-Tejsen et al., eds., Copenhagen, p. 8 on CD.
148. Lain, M., Hensen, J., & Zemlicka, J. 2008. "Simulation support for optimizing the design and operation of a large open-space office building", Proceedings of the 8th Int Conference for Enhanced Building Operations, 20-22 October, ICEBO, Berlin, p. 5 on CD.
147. Lain, M., Drkal, F., Hensen, J., & Zmrhal, V. 2008. "Computer simulation for better air-conditioning and ventilation design of industrial halls", Proceedings of the Central European Regional IBPSA Conference "Computer Aided Building Physical Modeling", 5 June, Slovak University of Technology, Bratislava, p. 4 on CD.
146. Linden, M. v. d., Loomans, M., & Hensen, J. 2008. "Adaptive thermal comfort explained by PMV", Proceedings of the 11th International Conference on Indoor Air Quality and Climate, Indoor Air, 17-22 August, P. Strøm-Tejsen et al., eds., Copenhagen, p. 8 on CD.
145. Mirsadeghi, M., Blocken, B., & Hensen, J. L. M. 2008. "Validation of external BES-CFD coupling by inter-model comparison", Proceedings of the 29th AIVC Conference, 14-16 October, Air Infiltration and Ventilation Center, Kyoto, p. 6 on CD.
144. Struck, C., Wilde, P. d., Hopfe, C. J., & Hensen, J. 2008. "An exploration of the option space in student design projects for uncertainty and sensitivity analysis with performance simulation", Proceedings of the Intelligent Computing in Engineering (ICE08) - A Joint US-European Workshop, 2 - 4 July, Plymouth, p. 9 on CD.
143. Vreenegoor, R. C. P., Vries, B. d., & Hensen, J. 2008. "Comparing district designs - screening analysis of the critical factors at the building level", Proceedings of the 9th Int. Conference on Design & Decision Support Systems, 7-10 July, Technische Universiteit Eindhoven, Leende, p. 16 pages on CD.
142. Vreenegoor, R., Vries, B. d., & Hensen, J. 2008. "Energy saving renovation: analysis of critical factors at the building level", Proceedings of the 5th Int. Conference on Urban Regeneration and Sustainability: The Sustainable City, 24-26 September, A. Gospodini, C. A. Brebbia, & E. Tiezzi, eds., Skiathos, Greece, p. 8 on CD.
141. Vreenegoor, R., Hensen, J., & Vries, B. d. 2008. "Review of existing energy performance calculation methods for district use", Proceedings of the Symposium

- Gebouwsimulatie: Ontmoeten & Ontdekken, 9 October, IBPSA-NVL, Eindhoven, p. 8 on CD.
140. Zoon, W. A. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2008. "Vooronderzoek voor een gevoeligheidsanalyse van ontwerp en gebruik van de operatiekamer op de ventilatie-effectiviteit", Proceedings of the Symposium Gebouwsimulatie: Ontmoeten & Ontdekken, 9 October, IBPSA-NVL, Eindhoven, p. 7 on CD.
 139. Zoon, W. A. C., Loomans, M. G. L. C., & Hensen, J. L. M. 2008. "Pre-investigation into sensitivity analysis of use and design parameters to the ventilation efficiency in an operating room", Proceedings of the 11th International Conference on Indoor Air Quality and Climate, Indoor Air, 17-22 August, P. Strøm-Tejse et al., eds., Copenhagen, p. 8 on CD.
 138. Duska, M., Lukes, J., Bartak, M., Drkal, F., & Hensen, J. 2007. "Trend in heat gains from office equipment", Proceedings of Indoor Climate of Buildings, Strbske Pleso, 28 Nov - 1 Dec, SSTP, Bratislava, p. 6 pages on CD.
 137. Forejt, L., Drkal, F., & Hensen, J. 2007. "Assessment of operating room air distribution in a mobile hospital: field experiment based on VDI 2167", Proceedings of the 10th Int Roomvent Conference, 13 - 15 June, Helsinki, p. 8 pages on CD.
 136. Hensen, J. L. M. 2007. "O simulaciji karakteristika zgrade u promenljivoj zivotnoj sredini", Proceedings of the 38th Int Congress on Heating, Refrigeration and Air-conditioning, 5 - 7 December, KGH, Belgrade, pp. 57-69. [On building performance simulation in a changing environment]
 135. Hojer, O., Basta, J., & Hensen, J. 2007. "Design optimization study for an infrared heater using CFD and sensitivity analysis", Proceedings of the 10th Int Roomvent Conference, 13 - 15 June, Helsinki, p. 9 pages on CD.
 134. Hojer, O., Basta, J., & Hensen, J. 2007. "Accuracy in evaluation of a view factor between radiant heater element and pyrometer sensor", Proceedings of Indoor Climate of Buildings, Strbske Pleso, 28 Nov - 1 Dec, SSTP, Bratislava, p. 6 pages on CD.
 133. Hopfe, C. J., Hensen, J., Plokker, W., & Wijsman, A. J. T. M. 2007. "Model uncertainty and sensitivity analysis for thermal comfort prediction", Proceedings of the 12th Symp for Building Physics, 19-31 March, Technische Universitat Dresden, pp. 103-112.
 132. Hopfe, C. J., Hensen, J., & Plokker, W. 2007. "Uncertainty and sensitivity analysis for detailed design support", Proceedings of the 10th IBPSA Building Simulation Conference, 3-5 September, Tsinghua University, Beijing, pp. 1799-1804.
 131. Hopfe, C. J., Struck, C., Kotek, P., Schijndel, A. W. M. v., Hensen, J., & Plokker, W. 2007. "Uncertainty analysis for building performance simulation - a comparison of four tools", Proceedings of the 10th IBPSA Building Simulation Conference, 3-5 September, Tsinghua University, Beijing, pp. 1383-1388.
 130. Kotek, P., Filip, J., Kabele, K., & Hensen, J. 2007. "Technique of uncertainty and sensitivity analysis for sustainable building energy systems performance calculations", Proceedings of the 10th IBPSA Building Simulation Conference, 3-5 September, Tsinghua University, Beijing, pp. 629-636.
 129. Lain, M., Zmrhal, V., Drkal, F., & Hensen, J. 2007. "Slab cooling system design using computer simulation", Proceedings of the Central Europe towards Sustainable Building - CESB Conference, 24 - 26 September, Czech Technical University, Prague, p. 7 pages on CD.

128. Lain, M., Zmrhal, V., & Hensen, J. 2007. "Low-energy cooling for buildings in central Europe - case studies", Proceedings of the joint 2nd PALENC and 28th AIVC Conference, 27 - 29 September, Crete, p. 6 pages.
127. Loomans, M., Melhado, M., Zoon, W., & Hensen, J. 2007. "Performance based building and its application to the operating theatre", Proceedings of the 12th Symp for Building Physics, 19-31 March, Technische Universitat Dresden, pp. 681-688.
126. Melhado, M., Hensen, J. L. M., & Loomans, M. 2007. "Performance based design for ventilation systems of operating rooms using numerical simulation - discussing the methodology", Proceedings of the Clima 2007, 9th REHVA World Congress, 10 - 14 June, Helsinki, p. 7 pages on CD.
125. Struck, C., Kotek, P., & Hensen, J. 2007. "On incorporating uncertainty analysis in abstract building performance simulation tools", Proceedings of the 12th Symp for Building Physics, 19-31 March, Technische Universitat Dresden, pp. 193-205.
124. Struck, C. & Hensen, J. 2007. "On supporting design decisions in conceptual design addressing specification uncertainties using performance simulation", Proceedings of the 10th IBPSA Building Simulation Conference, 3-5 September, Tsinghua University, Beijing, pp. 1434-1439.
123. Trcka, M., Wetter, M., & Hensen, J. 2007. "Comparison of co-simulation approaches for building and HVAC/R system simulation", Proceedings of the 10th IBPSA Building Simulation Conference, 3-5 September, Tsinghua University, Beijing, pp. 1418-1425.
122. Trcka, M. & Hensen, J. 2007. "Case studies of co-simulation for building performance prediction", Proceedings of the 38th Int Congress on Heating, Refrigeration and Air-conditioning, 5 - 7 December, KGH, Belgrade, p. 8 pages on CD.
121. Ulukavak Harputlugil, G., Hensen, J., & Wilde, P. d. 2007. "Simulation as a tool to develop guidelines for the design of school schemes for four climatic regions of Turkiye", Proceedings of the 10th IBPSA Building Simulation Conference, 3-5 September, Tsinghua University, Beijing, pp. 1805-1812.
120. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2007. "Developing web-services for distributed control and building performance simulation using run-time coupling", Proceedings of the 10th IBPSA Building Simulation Conference, 3-5 September, Tsinghua University, Beijing, pp. 1327-1333.
119. Zoon, W., Heijkant, S. A. M., Hensen, J. L. M., & Loomans, M. G. L. C. 2007. "Assessment of the performance of the airflow in an operating theatre", Proceedings of the 10th Int Roomvent Conference, 13 - 15 June, Helsinki, p. 8 pages on CD.
118. Djunaedy, E., Hensen, J., Hopfe, C. J., Struck, C., Trcka, M., & Yahiaoui, A. 2006. "Notes on building performance simulation and the role of IBPSA", Proceedings of the 11th Brazilian Congress of Thermal Sciences and Engineering - ENCIT, 5 - 8 December, (keynote presentation), Brazilian Society of Mechanical Sciences and Engineering, Curitiba, p. 8 pages on CD
117. Duska, M., Bartak, M., Drkal, F., & Hensen, J. 2006. "Analytical approach to transient heat conduction in cooling load calculations", Proceedings of the 17th Int. Air-conditioning and Ventilation Conference, 17-19 May, STP - Society of Environmental Engineering, Prague, p. 6 pages on CD
116. Forejt, L., Hensen, J., Drkal, F., & Barankova, P. 2006. "Weather data around the world for design of field hospital HVAC", Proceedings of the 17th Int. Air-conditioning and Ventilation Conference, 17-19 May, STP - Society of Environmental Engineering, Prague, p. 6 pages on CD

115. Hopfe, C. J., Struck, C., Hensen, J., & Böhms, M. 2006. "Adapting advanced engineering design approaches to building design - potential benefits", Proceedings of the 6th Int. Postgraduate Research Conf.. in the Built and Human Environment, 6 - 7 April, Technische Universiteit Delft, BuHu, University of Salford, p. 369-378.
114. Hopfe, C. J., Struck, C., & Hensen, J. 2006. "Design optimization during the different design stages", Proceedings of the 7th Int. Conf. on Adaptive Computing in Design and Manufacture, 25-27 April, University of the West of England, Bristol, UK, pp. 275-278.
113. Hopfe, C. J., Struck, C., Ulukavak Harputlugil, G., & Hensen, J. 2006. "Computational tools for building services design - professional's practice and wishes", Proceedings of the 17th Int. Air-conditioning and Ventilation Conference, 17-19 May, STP - Society of Environmental Engineering, Prague, p. 5 pages on CD.
112. Hopfe, C. J., Müller, N., Struck, C., & Hensen, J. 2006. "An appraisal of knowledge based systems for building performance simulation", Proceedings of the 11th Int. Conf. on Computing in Civil and Building Engineering, 14-16 June, Montreal, ISCCCBE, p. 10 pages on CD
111. Hopfe, C. J., Struck, C., Hensen, J., & Wilde, P. de 2006. "Considerations regarding decision support tools for conceptual building design", Proceedings of the 11th Int. Conf. on Computing in Civil and Building Engineering, 14-16 June, Montreal, ISCCCBE, p. 6 pages on CD.
110. Hopfe, C. J. & Hensen, J. 2006. "An approach to use building performance simulation to support design optimization", Proceedings of the Forum Bauinformatik, Bauhaus Universität Weimar, p. 7 pages on CD.
109. Hopfe, C. J., Hensen, J., & Plokker, W. 2006. "Introducing uncertainty and sensitivity analysis in non-modifiable building performance software", Proceedings of the 1st Int. IBPSA Germany/Austria Conf. BauSIM, 9 - 11 Oct, Technische Universität München, International Building Performance Simulation Association, p. 3 pages on CD.
108. Lain, M. & Hensen, J. 2006. "Passive and low energy cooling techniques in buildings", Proceedings of the 17th Int. Air-conditioning and Ventilation Conference, 17-19 May, STP - Society of Environmental Engineering, Prague, p. 6 pages on CD.
107. Lain, M. & Hensen, J. 2006. "The optimization of mechanical night cooling system in an office building", Proceedings of the 6th Int Conf on Compressors and Coolants, 27 - 29 September, Casta Papiernicka, Slovakia, p. 8 pages on CD.
106. Melhado, M., Hensen, J., & Loomans, M. 2006. "Review of ventilation systems in operating rooms in view of infection control", Proceedings of the 6th Int. Postgraduate Research Conf.. in the Built and Human Environment, 6 - 7 April, Technische Universiteit Delft, BuHu, University of Salford, pp. 478-487
105. Melhado, M., Hensen, J. L. M., Loomans, M., & Forejt, L. 2006. "Review of operating room ventilation standards", Proceedings of the 17th Int. Air-conditioning and Ventilation Conference, 17-19 May, STP - Society of Environmental Engineering, Prague, p. 7 pages on CD
104. Melhado, M., Hensen, J. L. M., & Loomans, M. 2006. "Literature review of staff thermal comfort and patient "thermal risks" in operating rooms", Proceedings of the 8th Int. Healthy Buildings conference, 4 - 8 June, Lisbon, ISIAQ, pp. 11-14
103. Struck, C. & Hensen, J. 2006. "Uncertainty analysis for conceptual building design - a review of input data", Proceedings of the 1st Int. IBPSA Germany/Austria Conf. BauSIM, 9 - 11 Oct, Technische Universität München, International Building Performance Simulation Association, p. 4 pages on CD.

102. Trcka, M. & Hensen, J. 2006. "Model and tool requirements for co-simulation of building performance", Proceedings of the 15th IASTED Int. Conf. on Applied Simulation and Modelling, 26-28 June, Rhodes, International Association of Science and Technology for Development, p. 7 pages on CD.
101. Trcka (Radošević), M. & Hensen, J. 2006. "Distributed simulation of building systems for legacy software reuse", Proceedings of the 6th Int. Postgraduate Research Conf. in the Built and Human Environment, 6 - 7 April, Technische Universiteit Delft, BuHu, University of Salford, pp. 442-454.
100. Trcka (Radošević), M. & Hensen, J. 2006. "Towards a guideline for selecting the appropriate abstraction level for building systems simulation", Proceedings of the 17th Int. Air-conditioning and Ventilation Conference, 17-19 May, STP - Society of Environmental Engineering, Prague, p. 6 pages on CD.
99. Ulukavak Harputlugil, G., Hopfe, C. J., Struck, C., & Hensen, J. 2006. "Relation between design requirements and building performance simulation", Proceedings of the 1st Int. CIB Student Chapters Postgraduate Conf. "Built Environment and Information Technologies", 16 - 18 March, Ankara, Middle East Technical University, p. 9 pages on CD.
98. Ulukavak Harputlugil, G. & Hensen, J. 2006. "The relation between building assessment systems and building performance simulation", Proceedings of the 6th Int. Postgraduate Research Conf. in the Built and Human Environment, 6 - 7 April, Technische Universiteit Delft, BuHu, University of Salford, pp. 333-343.
97. Yahiaoui, A., Ulukavak Harputlugil, G., Sahraoui, A. E. K., & Hensen, J. 2006. "The application of systems engineering on the building design process", Proceedings of the 1st Int. CIB Student Chapters Postgraduate Conf. "Built Environment and Information Technologies", 16 - 18 March, Ankara, Middle East Technical University, p. 11 pages on CD.
96. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2006. "Design of embedded controller using hybrid systems for integrated building systems", Proceedings of the 3rd Int. SCRI Research Symposium, 3-4 April, Technische Universiteit Delft, Salford Centre for Research and Innovation in the Built and Human Environment, University of Salford, p. 10 pages on CD.
95. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2006. "Model based optimal control for integrated building systems", Proceedings of the 6th Int. Postgraduate Research Conf. in the Built and Human Environment, 6 - 7 April, Technische Universiteit Delft, BuHu, University of Salford, p. 322-332.
94. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2006. "Specification for real-time control using hybrid systems in building automation systems", Proceedings of the Proc. 17th Int. Air-conditioning and Ventilation Conference, 17-19 May, STP - Society of Environmental Engineering, Prague, p. 7 pages on CD.
93. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2006. "Design of model based LQG control for integrated building systems", Proceedings of the 8th IASTED Int. Conf. on Control and Applications, 24-26 May, Montreal, International Association of Science and Technology for Development, p. 6 pages on CD.
92. Yahiaoui, A., Hensen, J., & Sahraoui, A. E. K. 2006. "Integration of IT in building design and technology: a systems engineering framework", Proceedings of the 11th Int. Conf. on Computing in Civil and Building Engineering, 14-16 June, Montreal, ISCCCBE, p. 11 pages on CD.
91. Yahiaoui, A., Sahraoui, A. E. K., Hensen, J., & Brouwer, P. 2006. "A systems engineering environment for integrated building design", Proceedings of the EuSEC

- European Systems Engineering Conf., 18 - 20 September, Edinburgh, INCOSE, p. 11 pages on CD.
90. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2006. "Simulation based design environment for multi-agent systems in buildings", in Proc. 7th International Conference on System Simulation in Buildings, December 11-13, University of Liege, Belgium, p. 19 pages on CD.
 89. Djunaedy, E., Hensen, J. L. M., Chen, Q., & Loomans, M. G. L. C. 2005. "Simulating radiative cooling/heating using BES-CFD coupled simulation", in Proc. 10th Int. Conf. on Indoor Air Quality and Climate "Indoor Air", 4 - 9 September, Tsinghua University, Beijing, pp. 1344-1348.
 88. Hensen, J. L. M. & Djunaedy, E. 2005. "Building simulation for making the invisible visible - air flow in particular", in Proc. Int. Conference Energy Efficient Technologies in Indoor Environment, 29-30 September, Silesian Technical University, Gliwice (Poland); also in Proc. IBPSA-NVL conference, 20 October, Technische Universiteit Delft, p. 14 pages
 87. Hensen, J. & Djunaedy, E. 2005, "Jak niewidzialne uczynic widzialnym - zastosowanie symulacji budynku na przykladzie przeplywow powietrza," in *Energooszczedne ksztaltowanie srodowiska wewnetrznego*, Z. Popiolek, ed., Politechnika Slaska (Ener-Indoor Centre), Gliwice, pp. 312-324 + 391-394 [Building simulation for making the invisible visible - air flow in particular]
 86. Lain, M., Bartak, M., Drkal, F., & Hensen, J. 2005. "Computer simulation and measurements of a building with top-cooling", in Proc. 9th Int. IBPSA Conference, 15 - 18 August, International Building Performance Simulation Association, Montreal, pp. 579-586
 85. Lain, M., Bartak, M., Drkal, F., & Hensen, J. 2005. "Simulation to support passive and low energy cooling system design in the Czech Republic", in Proc. Int. Solar Renewable Energy News SREN 2005 Conference, 2 - 8 April, Firenze, Institute of Physics SAS, Bratislava, p. 25 pages
 84. Lain, M., Bartak, M., Drkal, F., & Hensen, J. 2005, "Wykorzystanie symulacji komputerowej do oceni niskoenergetycznych systemow chlodzenia w Czechach ," in *Energooszczedne ksztaltowanie srodowiska wewnetrznego*, Z. Popiolek, ed., Politechnika Slaska (Ener-Indoor Centre), Gliwice, pp. 324 - 339 + 391-394 [Use of computer simulation for the evaluation of low energy cooling in the Czech Republic]
 83. Lain, M. & Hensen, J. 2005. "Passive and low energy cooling techniques for the Czech Republic", in Proc. Int. Conf. on Passive and Low Energy Cooling for the Built Environment (Palenc), 19 - 21 May, Santorini, 6 pages on CD
 82. Lain, M., Bartak, M., Drkal, F., & Hensen, J. 2005. "Design and commissioning of the low-energy office building in Prague", in Proc. Int. Conf. on Passive and Low Energy Cooling for the Built Environment (Palenc), 19 - 21 May, Santorini, p. 4 pages on CD.
 81. Melhado, M., Beyer, P. O., Hensen, J. L. M., & Siqueira, L. F. G. 2005. "Study of the thermal comfort, of the energy consumption and of the indoor environment control in surgery rooms", in Proc. 10th Int. Conf. on Indoor Air Quality and Climate "Indoor Air", 4 - 9 September, Tsinghua University, Beijing, pp. 3160-3165
 80. Melhado, M. A., Beyer, P. O., Hensen, J. L. M., & Siqueira, L. F. G. 2005. "The thermal comfort, the indoor environment control, and the energy consumption in three types of operating rooms", in Proc. 9th Int. IBPSA Conference, 15 - 18 August, International Building Performance Simulation Association, Montreal, pp. 747-754
 79. Radosevic, M., Hensen, J. L. M., & Wijsman, A. J. T. M. 2005. "Implementation strategies for distributed modeling and simulation of building systems", in Proc. 9th

- Int. IBPSA Conference, 15 - 18 August, International Building Performance Simulation Association, Montreal, pp. 995-1002
78. Schijndel, A. W. M. v. & Hensen, J. L. M. 2005. "Integrated heat, air and moisture modeling toolkit in Matlab", in Proc. 9th Int. IBPSA Conference, 15 - 18 August, International Building Performance Simulation Association, Montreal, pp. 1107-1114
 77. Vreenegoor, R., Hensen, J., Vries, B. d., Bonsman, P., & Soethout, L. 2005. "Energy and comfort advice for consumers designing their own house; a connection between iBuild and IWCS", in Proc. 3rd Design Research in The Netherlands symposium, 19 - 20 May, Technische Universiteit Eindhoven, 12 pages.
 76. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2005. "Integrating building performance simulation with control modeling using Internet sockets", in Proc. 9th Int. IBPSA Conference, 15 - 18 August, International Building Performance Simulation Association, Montreal, pp. 1377-1384
 75. Yahiaoui, A., Hensen, J., Soethout, L., & Paassen, A. H. C. v. 2005. "Applying advanced control strategies in building performance simulation by using run-time coupling", in Proc. 8th REHVA World Congress, Clima 2005, 9 - 12 October, REHVA - Federation of European Heating, Ventilating and Air-conditioning Associations, Lausanne, p. 6 pages on CD
 74. Yamaguchi, Y., Shimoda, Y., Mizuno, M., & Hensen, J. 2005. "District level energy management using a bottom-up modeling approach", in Proc. 9th Int. IBPSA Conference, 15 - 18 August, International Building Performance Simulation Association, Montreal, pp. 1385-1392
 73. Djunaedy, E., Hensen, J. L. M., & Loomans, M. G. L. C. 2004. "Comparing internal and external run-time coupling of CFD and building energy simulation software", in Proc. 9th Int. Conf. on Air Distribution in Rooms - ROOMVENT 2004, 5 - 8 September, University of Coimbra, Coimbra.
 72. Hensen, J. L. M. 2004, "Joining forces in IBPSA, the International Building Performance Simulation Association," in WTA-Schriftenreihe Heft 24 - Simulationsmethoden bei der Planung von Neubauten und Instandsetzungen, T. Bednar, ed., WTA - Wissenschaftlich-Technische-Arbeitsgemeinschaft für Bauwerkserhaltung und Denkmalpflege e.V., Munchen, pp. 135-140.
 71. Hensen, J. L. M. 2004. "Towards more effective use of building performance simulation in design", in Proc. 7th International Conference on Design & Decision Support Systems in Architecture and Urban Planning, 2-5 July , Technische Universiteit Eindhoven.
 70. Hensen, J., Bartak, M., Drkal, F., Dunovska, T., Lain, M., Matuska, T., Schwarzer, J., & Sourek, B. 2004, "Building performance simulation as a design tool for refurbishment of buildings," in WTA-Schriftenreihe Heft 24 - Simulationsmethoden bei der Planung von Neubauten und Instandsetzungen, T. Bednar, ed., WTA - Wissenschaftlich-Technische-Arbeitsgemeinschaft für Bauwerkserhaltung und Denkmalpflege e.V., Munchen, pp. 15-28.
 69. Hensen, J., Djunaedy, E., Radosevic, M., & Yahiaoui, A. 2004. "Building performance simulation for better design: some issues and solutions", in Proc. PLEA 2004 - the 21st Conference on Passive and Low Energy Architecture, 19 - 22 September , Technische Universiteit Eindhoven, p. 1185-1190
 68. Hensen, J. & Radosevic, M. 2004. "Teaching building performance simulation - some quality assurance issues and experiences", in Proc. PLEA 2004 - the 21st Conference on Passive and Low Energy Architecture, 19 - 22 September, Technische Universiteit Eindhoven, p. 1209-1214

67. Lain, M., Drkal, F., Hensen, J., & Zmrhal, V. 2004. "Low energy cooling techniques for retrofitted office buildings in central Europe", in Proc. 25th Int. Conf. of the Air Infiltration and Ventilation Centre, 15 - 17 September, AIVC, Prague.
66. Lain, M. & Hensen, J. 2004. "Combination of low energy and mechanical cooling technologies for buildings in Central Europe", Proceedings of the Proc. 5th International IRR Conference Compressors 2004 in Castá Papiernicka near Bratislava, Slovakia, International Institute of Refrigeration, Paris, p. ?
65. Yahiaoui, A., Hensen, J., & Soethout, L. 2004. "Developing CORBA-based distributed control and building performance environments by run-time coupling", in Proc. ICCCBE-X 10th International Conference on Computing in Civil and Building Engineering in Weimar, International Society for Computing in Civil and Building Engineering, p. 86 (8 pages on the CD).
64. Bartak, M., Drkal, F., Hensen, J., Lain, M., Schwarzer, J. & Sourek, B. 2003. "An approach to teaching and research of simulation for environmental engineering design," in Proc. 3rd Int. Conf. on Advanced Engineering Design, 1 - 4 June, Czech Technical University in Prague.
63. Bartak, M., Drkal, F., Hensen, J., Lain, M. and Schwarzer, J. 2003. "Computer simulations for state-of-the-art engineering design of a commercial building in Prague," in Proc. 3rd Int. Conf. on Advanced Engineering Design, 1 - 4 June, Czech Technical University in Prague.
62. Djunaedy, E., Hensen, J.L.M & Loomans, M. 2003. "Development of a guideline for selecting a simulation tool for airflow prediction," in Proc. 8th International IBPSA Conference Building Simulation '03 in Eindhoven, pp. 267 - 274, International Building Performance Simulation Association.
61. Yahiaoui, A., Hensen, J. & Soethout, L. 2003. "Integration of control and building performance simulation software by run-time coupling," in Proc. 8th International IBPSA Conference Building Simulation '03 in Eindhoven, pp. 1435 - 1442, International Building Performance Simulation Association.
60. Zmrhal, V., Hensen, J. and Drkal, F. 2003. "Modelling and simulation of a space with radiant cooling ceiling," in Proc. 8th International IBPSA Conference Building Simulation '03 in Eindhoven, pp. 1491 - 1496, International Building Performance Simulation Association.
59. Bluysen, P.M., Geus, A. de, Rutten, P.G.S. & Hensen, J.L.M. 2002. "Center for building and systems: a multi-disciplinary approach focussed on well-being of people," in Proc. 9th Int. Conf. on Indoor Air Quality and Climate - INDOOR AIR 2002, Monterey CA.
58. Djunaedy, E., Hensen, J.L.M & Loomans, M.G.L.C. 2002. "Towards a strategy for airflow simulation in building design," in Proc. 8th Int. Conf. on Air Distribution in Rooms - ROOMVENT 2002, 8 - 11 September, Danish Society of Heating, Ventilating and Air-Conditioning Engineers, Copenhagen
57. Hensen, J.L.M. 2002. "Integrated building (and) air flow simulation: an overview," in Proc. 9th Int. Conference on Computing in Civil and Building Engineering - ICCCBE-IX, 3 - 5 April, Taipei, Taiwan.
56. Hensen, J.L.M. 2002. "Simulation for performance based building and systems design: some issues and solution directions", in Proc. 6th Int. Conf. on Design and Decision Support Systems in Architecture and Urban Planning, Ellecom, 7-10 July, Technische Universiteit Eindhoven
55. M. Bartak, F. Drkal, J. Hensen, M. Lain, J. Schwarzer, and B. Sourek 2001. "Simulation for (sustainable) building design: Czech experiences," in Proc. 7th World Congress CLIMA 2000, pp. 212, Napoli, 15-18 September 2001.

54. M. Bartak, F. Drkal, J. Hensen, M. Lain, T. Matuska, J. Schwarzer and B. Sourek 2001. "Simulation to support sustainable HVAC design for two historical buildings in Prague," in Proc. 18th Conference on Passive and Low Energy Architecture, PLEA 2001, pp. 903-908, November 7 - 9, Federal University of Santa Catarina, Florianopolis, Brazil.
53. Bartak, M., Drkal, F., Hensen, J.L.M. & Lain, M. 2001. "Design support simulations for the Prague Zoo "Indonesian Jungle" pavilion," in Proc. 7th International IBPSA Conference Building Simulation '01 in Rio de Janeiro, vol. 2, pp. 841-845, International Building Performance Simulation Association.
52. Bartak, M., Dunovska, T. & Hensen, J. 2001. "Design support simulations for a double-skin facade," in Proc. 1st Int. Conf. on Renewable Energy in Buildings "Sustainable Buildings and Solar Energy 2001", pp. 126-129, Brno, 15-16 November, Brno University of Technology / Czech Academy of Sciences in Prague.
51. Centnerova, L. & Hensen, J. 2001. "Energy and indoor temperature consequences of adaptive thermal comfort standards," in Proc. 4th Int. Conf. Indoor Climate of Buildings 2001, pp. 391-402, Slovak Society for Environmental Technology (SSTP), Bratislava.
50. Dunovska, T. & Hensen, J. 2001. "Some experiences with building simulation in the Czech construction industry," in Proc. 7th International IBPSA Conference Building Simulation '01 in Rio de Janeiro, vol. 2, pp. 837-840, International Building Performance Simulation Association.
49. Drkal, F., Bartak, M., Hensen, J. M. & Schwarzer, J. 2001. "Prispevek k vyvoji ve vetrani a klimatizaci," in Proc. Conference 50 years of education in Environmental Engineering, held 25 September, pp. 39-48, Czech Technical University in Prague, Faculty of Mechanical Engineering. [Contribution to the Development of ventilation and air-conditioning]
48. Hensen, J.L.M. & Centnerova, L. 2001. "Energy simulation of traditional vs. adaptive thermal comfort for two moderate climate regions," in Proc. Int. Conf. "Moving Thermal Comfort Standards into the 21st Century" held in Windsor, F. L. Nicol, ed., Oxford Brookes University, pp. 78-91.
47. Hensen, J.L.M. 2001. "Possibilities and challenges in using building simulation for sustainable building design," in Proc. 1st Int. Conf. on Renewable Energy in Buildings "Sustainable Buildings and Solar Energy 2001", pp. 115-117, Brno, 15-16 November, Brno University of Technology / Czech Academy of Sciences in Prague.
46. Hensen, J.L.M. 2001. "Simulatie van gebouwprestaties - wie heeft er wat aan," in Proc. 3de IBPSA NVL conferentie, Petten, 13 december, International Building Performance Simulation Association - IBPSA Nederland + Vlaanderen.
45. Hensen, J.L.M. 2001. "Weergegevens voor gebouwprestatie simulatie," in Proc. 3de IBPSA NVL conferentie, Petten, 13 december, International Building Performance Simulation Association - IBPSA Nederland + Vlaanderen.
44. Lain, M., Bartak, M., Drkal, F. & Hensen, J. 2001. "Vyuziti pocitacove simulace pri navrhu klimatizace nove galerie v objektu Sovovych mlynu," in Proc. 1st Int. Conf. on Renewable Energy in Buildings "Sustainable Buildings and Solar Energy 2001", pp. 80-83, Brno, 15-16 November, Brno University of Technology / Czech Academy of Sciences in Prague. [Simulation in engineering the ventilation and air-conditioning of a new art gallery in Sovovy Mlyny]
43. Clarke, J.A. & Hensen, J.L.M. 2000. "Integrated simulation for building design: an example state-of-the-art system," in Proc. Int. Conf. Construction Information Technology 2000 (CIT2000), CIB-W78/ IABSE/ EG-SEA-AI, Vol. 1, pp. 465-475, Icelandic Building Research Institute, Reykjavik.

42. Hensen, J.L.M. & Clarke, J.A. 2000. "Integrated simulation for HVAC performance prediction: state-of-the-art illustration," in Proc. Int. ASHRAE/ CIBSE Conf. Dublin 2000 "20 20 Vision", American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Atlanta, GA.
41. Hensen, J.L.M. & Clarke, J.A. 2000. "Building systems and indoor environment: simulation for design decision support," in Proc. International Conference on Design and Decision Support Systems in Architecture & Urban Planning, Nijkerk, August 22-25, Vol. Architecture, pp. 177-189, Eindhoven University of Technology.
40. Hensen, J.L.M. & Clarke, J.A. 2000. "Integrated simulation for (sustainable) building design: state-of-the-art illustration," in Proc. Int. Conf. Sustainable Building 2000, Netherlands Agency for Energy and Environment (Novem), Sittard, NL.
39. Hensen, J.L.M., Herkel, S., Janak, M., Kelly, N. & Wilson, H-R. 2000. "Simulation for design: comparing two low-energy cooling strategies for an atrium," in Proc. Int. Building Physics Conf IBPC 2000, pp. 115-122, Eindhoven University of Technology.
38. Clarke, J.A., Hensen, J.L.M., Johnstone C.M. & Macdonald, I.1999. "On the use of simulation in the design of embedded energy systems," in Proc. 6th International IBPSA Conference Building Simulation '99 in Kyoto, Vol. I, pp. 113-119, International Building Performance Simulation Association.
37. Dunovska, T., Drkal F. & Hensen J.L.M. 1999. "Barriers and solutions to the use of building simulation in the Czech Republic," Proc. 6th International IBPSA Conference Building Simulation '99 in Kyoto, Vol. I, pp. 257-262, International Building Performance Simulation Association.
36. Hensen, J., Hraska, J., Mallory-Hill, S. & Rabenseifer, R.1998. "Introducing IT-based environmental simulation courses at Slovak Technical Universities," in Proc. Environmentally Friendly Cities, PLEA '98, June 1-3, pp. 623-626, James & James Science Publishers Ltd, Lisbon.
35. Hensen, J.L.M. & Kabele, K. 1997. "Application of system simulation to WCH boiler selection," in Proc. 5th IBPSA World Congress "Building Simulation '97", Prague, Sep 1997, vol. II, pp. 141-147, Int. Building Performance Simulation Association, Prague.
34. Hensen, J.L.M., Janak, M. Kaloyanov, N.G. & Rutten, P.G.S. 1997. "Introducing IT based energy simulation courses in Central/Eastern Europe," in Proc. 5th IBPSA World Congress "Building Simulation '97", Prague, Sep 1997, vol. II, pp. 31-37, Int. Building Performance Simulation Association, Prague.
33. Yoon, J.H., Lee, E.J. & Hensen, J.L.M. 1997. "Integrated Thermal Analysis of a Three Story Experimental Building with a Double-Skin and a Ground-Coupled Heat Exchanger," in Proc. Int. Solar Energy Conference SOLAR 97 : Energy for Sustainable Prosperity, pp. 7-13, American Soc. of Mechanical Engineers, ASME/ASES, Washington, DC.
32. Clarke, J.A., Grant, A.D., Hensen, J.L.M. & Johnstone, C. 1996. "Renewable energy: educational initiatives at the University of Strathclyde," in Proc. EuroSun '96, pp. 1587-1591, Freiburg (D).
31. Clarke, J., Hand, J., Hensen, J., Johnsen, K. Wittchen, K. Madsen, C. & Compagnon, R.1996. "Integrated performance appraisal of Daylight-Europe case study buildings," in Proc. 4th European Conf. of Solar Energy in Architecture and Urban Planning, Berlin.
30. Hensen, J.L.M. 1996. "Application of modelling and simulation to HVAC systems," in Proc. 30th Int. Conf. MOSIS '96, Krnov, April 1996, Technical University of Ostrava (CZ).

29. Hensen, J.L.M., Hamelinck, M.J.H. & Loomans, M. 1996. "Modelling approaches for displacement ventilation in offices," in Proc. 5th Int. Conf. Roomvent '96, Yokohama, July 1996, University of Tokyo.
28. Clarke, J.A., Hensen, J.L.M. & Kelly, N.J. 1995. "Modelling the built environment as a demand side system," in Proc. 9th European Simulation Multiconference, Prague, June 1995, Soc. for Computer Simulation Int., SCS, Ghent, Belgium.
27. Clarke, J.A., Hensen, J.L.M. & Negrao, C.O.R. 1995. "Predicting indoor airflow by combining network, CFD, and thermal simulation," in Proc. 16th AIVC Conf. "Implementing the Results of Ventilation Research", Palm Springs, Sep 1995, pp. 145-154, IEA Air Infiltration and Ventilation Centre, Coventry (UK).
26. Hand, J.W. & Hensen, J.L.M. 1995. "Recent experiences and developments in training of simulationists," in Proc. 4th IBPSA World Congress "Building Simulation '95", Madison, Aug 1995, pp. 346-353, Int. Building Performance Simulation Association, Madison, WI.
25. Hensen, J.L.M. 1995. "Modelling coupled heat and airflow: ping-pong vs onions," in Proc. 16th AIVC Conf. "Implementing the Results of Ventilation Research", Palm Springs, Sep 1995, pp. 253-262, IEA Air Infiltration and Ventilation Centre, Coventry (UK).
24. Hensen, J.L.M. 1995. "On system simulation for building performance evaluation," in Proc. 4th IBPSA World Congress "Building Simulation '95", Madison, Aug 1995, pp. 259-267, Int. Building Performance Simulation Association, Madison, WI.
23. Aasem, E.O. Clarke, J.A., Hensen, J.L.M., Kelly, N.J., MacQueen, J. & Negrao, C.O.R. 1994. "Current building systems modelling potential of ESP-r," in Proc. 4th International Conference on System Simulation in Buildings, Liege, December 5-7, University of Liege.
22. Hensen, J.L.M. 1994. "Energy related design decisions deserve simulation approach," in Proc. International Conference on Design and Decision Support Systems in Architecture & Urban Planning, Vaals, August 15-19, Eindhoven University of Technology.
21. Hensen, J.L.M. & Nakhi, A. 1994. "Fourier and Biot numbers and the accuracy of conduction modelling," in Proc. BEP '94 Conference "Facing the Future", York, April 6-8, pp. 247-256, Building Environmental Performance Analysis Club (BEPAC), York (UK).
20. Maas, J. van der, Hensen, J.L.M. & Roos, A. 1994. "Ventilation and energy flow through large vertical openings in buildings," in Proc. 15th AIVC Conference "The Role of Ventilation", Buxton (UK), Sep 1994, vol. 1, pp. 290-301, IEA Air Infiltration and Ventilation Centre, Coventry (UK).
19. Hensen, J.L.M. 1993. "Design support via simulation of building and plant thermal interaction," in Design and Decision Support Systems in Architecture, ed. H. Timmermans, pp. 227-238, Kluwer Academic Publishers, Dordrecht (NL).
18. Hensen, J.L.M., Maas, J. van der & Roos, A. 1993. "Air and heat flow through large vertical openings," in Proc. 3rd IBPSA World Congress "Building Simulation '93", Adelaide, Aug 1993, pp. 479-485, Int. Building Performance Simulation Association.
17. Hensen, J.L.M., Clarke, J.A., Hand, J.W. & Strachan, P. 1993. "Joining forces in building energy simulation," in Proc. 3rd IBPSA World Congress "Building Simulation '93", Adelaide, Aug 1993, pp. 17-24, Int. Building Performance Simulation Association.
16. Hensen, J.L.M. & Hamelinck, M.J.H. 1993. "On thermal modelling of walls and solar energy applications," in Proc. 3rd European Conference on Architecture "Solar

- energy in architecture and urban planning", Florence, May 1993, pp. 421-424, Commission of the European Communities.
15. Hensen, J.L.M. & Hand, J.W. 1993. "Use of sophisticated building energy simulation tools," in Proc. 3rd European Conference on Architecture "Solar energy in architecture and urban planning", Florence, May 1993, pp. 354-357, Commission of the European Communities.
 14. Hensen, J.L.M. 1992. "Design support via simulation of building and plant thermal interaction," in International Conference on Design and Decision Support Systems in Architecture & Urban Planning 6-10 July 1992, Eindhoven University of Technology.
 13. Hensen, J.L.M. 1992. "An integrated building/systems simulation approach to energy conservation," in Proc. 5th Int. Jacques Cartier Conf. on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, Montreal, October 1992, pp. 551-559, University of Concordia, Montreal.
 12. Hensen, J.L.M. 1992. "Interaction of heat load and air supply in CAV systems," in Proc. 13th AIVC Conf. "Ventilation for Energy Efficiency and Optimum Indoor Air Quality", Nice, Sep 1992, pp. 403-412, IEA Air Infiltration and Ventilation Centre, Coventry (UK).
 11. Clarke, J.A. & Hensen, J.L.M. 1991. "An approach to the simulation of coupled heat and mass flow in buildings," in Proc. 11th AIVC Conf. Ventilation System Performance held at Belgirate (I) 1990, vol. 2, pp. 339-354, IEA Air Infiltration and Ventilation Centre, Coventry (UK).
 10. Hensen, J.L.M., Hand, J.W. & Clarke, J.A. 1991. "Building design assessment through coupled heat and airflow simulation: two case studies," in Proc. 12th AIVC Conf. "Air Movement and Ventilation Control within Buildings", Ottawa, Sep 1991, pp. 239-249, IEA Air Infiltration and Ventilation Centre, Coventry (UK).
 9. Hensen, J.L.M. & Clarke, J.A. 1991. "A fluid flow network solver for integrated building and plant energy simulation," in Proc. 3rd Int. Conf. on System Simulation in Buildings, Dec 1990, pp. 151-167, University of Liege.
 8. Hensen, J.L.M. & Clarke, J.A. 1991. "A simulation approach to the evaluation of coupled heat and mass transfer in buildings," in Proc. 2nd IBPSA World Congress "Building Simulation '91", Nice, Aug 1991, pp. 219-226, Int. Building Performance Simulation Association.
 7. Hensen, J.L.M. 1990. "Why integral design of building and systems?," in Proc. 2nd European Conf. on Architecture "Science and Technology at the Service of Architecture", Paris, Dec 1989, ed. T.C. Steemers and W. Palz, pp. 490-493, Kluwer Academic Publishers, Dordrecht (NL).
 6. Hensen, J.L.M. & Hoen, P.J.J. 1987. "Dutch solar vs conservation: an unbalanced match?," in Proc. ISES Solar World Congress, Hamburg.
 5. Hensen, J.L.M. 1987. "Energieproeftuin: results of an experiment on low-energy housing in The Netherlands," in Proc. European Conference on Architecture, Munich.
 4. Hensen, J.L.M. & Hoen, P.J.J. 1986. "Energieproeftuin: a real scale experiment with low-energy dwellings in The Netherlands," in Proc. Int. Climatic Architecture Congress, Louvain-la-Neuve (B).
 3. Hensen, J.L.M. & Wit, M.H. de. 1984. "Simple air collectors for preheating fresh air," in Proc. 1th EC Conference on Solar Heating, Amsterdam.

2. Wit, M.H. de, Hensen, J.L.M., Dijk, H.A.L. van, Brink, G.J. van den & Galen, E. van. 1984. "High performance passive solar heating system with heat pipe energy transfer," in Proc. 1th EC Conference on Solar Heating, Amsterdam.
1. Dijk, H.A.L. van, Galen, E. van, Hensen, J.L.M. & Wit, M.H. de. 1983. "High performance passive solar heating system with heat pipe energy transfer and latent heat storage," in Proc. 8th National Passive Solar Conference, Santa Fe, NM.

Other conference papers

47. Hensen, J.L.M. (2011). Building performance simulation for sustainable building design and operation. Oral :60th Anniversary Environmental Engineering Department, Prague, September 2011, (pp. 1-8). Prague: Czech Technical University.
46. Duska, M., Drkal, F., & Hensen, J. 2006. "Definice vnitřních zisků jako okrajových podmínek pro energetickou simulaci administrativních budov", in Proc. 4th national IBPSA-CZ conference Simulace Budov a Techniky Prostředí, November, International Building Performance Simulation Association - Czech Republic, Prague, p. 6 pages on CD.
45. Hensen, J. 2006. "About the current state of building performance simulation and IBPSA", in Proc. 4th national IBPSA-CZ conference Simulace Budov a Techniky Prostředí, November, International Building Performance Simulation Association - Czech Republic, Prague, p. 2 pages on CD.
44. Hojer, O., Basta, J., & Hensen, J. 2006. "Citlivostní analýza jako nástroj pro verifikaci CFD modelu a optimalizaci konkrétního prvku", in Proc. 4th national IBPSA-CZ conference Simulace Budov a Techniky Prostředí, November, International Building Performance Simulation Association - Czech Republic, Prague, p. 6 pages on CD. [Sensitivity analysis as a tool for verification of CFD model and optimization of particular component]
43. Hopfe, C. J. & Hensen, J. 2006. "Rapid prototyping in order to improve building performance simulation for detailed design support", Proceedings of the Eurocademy on Ventilation and Indoor Climate. Course 1 - Indoor Air Quality and Thermal Comfort, 19-26 October, Pamporovo, Bulgaria, P. Stankov, ed., pp. 398-399. [Extended abstract]
42. Krainer, R., Broz, K., & Hensen, J. 2006. "Kalibrace modelu pro optimalizaci systému vytápění a chlazení s akumulací energie do spodní vody", in Proc. 4th national IBPSA-CZ conference Simulace Budov a Techniky Prostředí, November, International Building Performance Simulation Association - Czech Republic, Prague, p. 6 pages on CD. [Model calibration for system optimization of underground heat and cold storage]
41. Lain, M., Zmrhal, V., Drkal, F., & Hensen, J. 2006. "Využití akumulární schopnosti betonové konstrukce budovy pro snížení výkonu zdroje chladu", in Proc. 4th national IBPSA-CZ conference Simulace Budov a Techniky Prostředí, November, International Building Performance Simulation Association - Czech Republic, Prague, p. 6 pages on CD. [Utilization of thermal accumulation in concrete building structure for reduction of cooling loads]
40. Melhado, M. A., Hensen, J. L. M., & Loomans, M. 2006. "Design information for ventilation systems in operating rooms", Proceedings of the Eurocademy on Ventilation and Indoor Climate. Course 1 - Indoor Air Quality and Thermal Comfort, 19-26 October, Pamporovo, Bulgaria, P. Stankov, ed., pp. 442-443. [Extended abstract]

39. Forejt, L., Drkal, F., & Hensen, J. 2005. "Application of CFD for the ventilation system of a field hospital operating room", Proceedings of the 2nd Int. Conf. on the Quality of the Indoor Environment in Hospitals, 6-7 October, Charles University, Prague, p. (abstract + poster)
38. Hensen, J., Bartak, M., & Drkal, F. 2005. "Air flow modeling approach for a double-skin facade system", in Proc. IBPSA-NVL conference, 20 October, Technische Universiteit Delft, p. 8 pages on CD
37. Hopfe, C. J., Struck, C., Ulukavak Harputlugil, G., Hensen, J., & Wilde, P. d. 2005. "Exploration of using building performance simulation tools for conceptual building design", in Proc. IBPSA-NVL conference, 20 October, Technische Universiteit Delft, p. 8 pages on CD
36. Lain, M., Bartak, M., Drkal, F., & Hensen, J. 2005. "Use of computer simulation for the evaluation of low energy cooling in the Czech Republic", in Proc. Int. Conference Energy Efficient Technologies in Indoor Environment, 29-30 September, Silesian Technical University, Gliwice (Poland), p. 18 pages on CD
35. Melhado, M. D. A., Beyer, P. O., Hensen, J., & Siqueira, L. F. G. 2005. "Exploratory study of indoor environment in three types of operating room in Brazil", Proceedings of the 2nd Int. Conf. on the Quality of the Indoor Environment in Hospitals, 6-7 October, Charles University, Prague, p. (abstract + poster)
34. Altavilla, F., Vicari, B., Hensen, J. L. M., & Filippi, M. 2004. "Simulation tools for building energy design", Proceedings of the PhD symposium "Modelling and Simulation for Environmental Engineering", 16 April, J. Hensen & M. Lain, eds., Czech Technical University in Prague, pp. 39-46.
33. Djunaedy, E., Hensen, J., & Loomans, M. 2004. "On integration of CFD in building design", Proceedings of the PhD symposium "Modelling and Simulation for Environmental Engineering", 16 April, J. Hensen & M. Lain, eds., Czech Technical University in Prague, pp. 53-60.
32. Djunaedy, E., Hensen, J., & Loomans, M. 2004. "Building energy simulation and computational fluid dynamics: 1+1>2?", in Proc. TI - IBPSA-NVL studiedag, October 21, Technologisch Instituut KVIV, Antwerpen, (15 p)
31. Hensen, J. L. M. 2004. "Building performance simulation - supporting innovative building and systems professionals working in multidisciplinary design teams", Proceedings of the PhD symposium "Modelling and Simulation for Environmental Engineering", 16 April, J. Hensen & M. Lain, eds., Czech Technical University in Prague, pp. 9-20.
30. Hensen, J. L. M. 2004. "Ontwerpen en gebouwsimulaties - (internationaal) onderzoek en ontwikkelingen", in Proc. TI - IBPSA-NVL studiedag, October 21, Technologisch Instituut KVIV, Antwerpen, (5 p)
29. Kral, V. & Hensen, J. 2004. "Simulation and modelling of low energy cooling systems for concrete residential houses", Proceedings of the PhD symposium "Modelling and Simulation for Environmental Engineering", 16 April, J. Hensen & M. Lain, eds., Czech Technical University in Prague, pp. 71-74.
28. Lain, M. & Hensen, J. 2004. "Computer simulations of a commercial building with top cooling", Proceedings of the PhD symposium "Modelling and Simulation for Environmental Engineering", 16 April, J. Hensen & M. Lain, eds., Czech Technical University in Prague, pp. 75-78.
27. Lain, M. & Hensen, J. 2004. "Kalibrace modelu pro simulace chlazení administrativní budovy se zvislou tepelnou setrvačností", in Proc. 3rd national IBPSA-Czech conference Simulace Budov a Techniky Prostředí, 1-2 November, International Building Performance Simulation Association - Czech Republic, Prague, p. 77-80

- [Model calibration for simulating cooling of an office building with high thermal inertia]
26. Radosevic, M., Hensen, J., & Wijsman, A. J. T. M. 2004. "Integration of distributed system simulation tools for a holistic approach to integrated building and system design", Proceedings of the PhD symposium "Modelling and Simulation for Environmental Engineering", 16 April, J. Hensen & M. Lain, eds., Czech Technical University in Prague, pp. 87-90.
 25. Yahiaoui, A., Hensen, J., & Soethout, L. 2004. "Run-time coupling advanced control software with building simulation environment", Proceedings of the PhD symposium "Modelling and Simulation for Environmental Engineering", 16 April, J. Hensen & M. Lain, eds., Czech Technical University in Prague, pp. 115-121.
 24. Zmrhal, V., Drkal, F., Hensen, J., & Lain, M. 2004. "Možnosti vyožiti nizkoenergetického chlazení v rekonstruovaných budovách", in Proc. 3rd national IBPSA-Czech conference Simulace Budov a Techniky Prostředí, 1-2 November, International Building Performance Simulation Association - Czech Republic, Prague, pp. 131-135. [Options for incorporating low energy cooling techniques in reconstructed buildings]
 23. Bartak, M., Drkal, F., Hensen, J., Lain, M., Matuska, T., Schwarzer, J., & Sourek, B. 2003. "ESP-r: integrated simulation tool for design of buildings and systems", in Proc. Int. Workshop "Integrated Building Simulation", 23 - 26 September, A. Baranowski, ed., Centre for Energy Efficient Technologies and Systems in Indoor Environment Engineering ENER-INDOOR, Gliwice, pp. 108-116.
 22. Bartniczak, J., Heim D. & Hensen, J.L.M. 2003. "Thermal analysis of an ecological, one-family building with two types of solar air collectors," in Proc. 9th Polish Conference of Science and Technology "Building Physics in Theory and Practice", pp. 15-22 Technical University of Lodz, Poland.
 21. Lain, M. & Hensen, J. 2003. "Alternativní způsoby chlazení budov" in Proc. CEEERES'03 Second International Conference of Central European Energy, Efficiency and Renewable Energy Sources, Prague, Czech Republic. [Alternative cooling systems for buildings]
 20. Pawlovski, A., Heim, D. & Hensen, J.L.M. 2003. "Ground source heat pumps designed for earth-sheltered, low-energy atrium building," in Proc. 9th Polish Conference of Science and Technology "Building Physics in Theory and Practice", pp 558-567 Technical University of Lodz, Poland
 19. Hensen, J.L.M. 2002. "Overview of IBPSA's long-term goals and current approaches; international and regional," in Proc. IBPSA-Czech Republic 2nd National Conference, November 7, Prague, International Building Performance Simulation Association - Czech Republic
 18. Bartak, M., Kubelka, J., Hensen, J., Moucka, L., Fronka, A. & Cechak, T. 2001. "Computer simulation of Radon distribution in buildings," in Proc. CTU Workshop, Czech Technical University in Prague
 17. Drkal, F., Papez, K., Medek, F., Hensen, J., Bartak, M. & Kabele, K. 2001. "Integrated course in environmental engineering," in Proc. CTU Workshop, Czech Technical University in Prague
 16. Bartak, M., Drkal, F., Hensen, J. & Lain, M. 2000. "Computer simulations - energy saving design tool (Pocítací simulace - nástroj k dosazení úspor energie)," in Proc. Energy Efficiency Business Week - EEBW 2000, Seven, Prague. (In English and Czech)
 15. Bartak, M., Hensen, J., Lain, M. & Paulovic, L. 2000. "Nová solární data v klimatické databázi TRY Praha," in Proc. IBPSA-Czech conference SIMULACE BUDOV 2000,

- 28 September, Prague, pp. 7-12, International Building Performance Simulation Association - Czech Republic. [New solar data for the Prague Test Reference Year weather database]
14. Hensen, J.L.M. 2000. "Past, present and future plans of IBPSA," in Proc. IBPSA-BNL conference "Building Performance Simulation in the Benelux", 27 October, Eindhoven, International Building Performance Simulation Association - Benelux.
 13. Hensen, J.L.M. & Plokker, W. 2000. "Research and development in The Netherlands in the area of building performance simulation," in Proc. IBPSA-BNL conference "Building Performance Simulation in the Benelux", 27 October, Eindhoven, International Building Performance Simulation Association - Benelux.
 12. Hensen, J.L.M. & Clarke, J.A. 2000. "State-of-the-art and future work in building and system simulation," in Proc. IBPSA-Czech conference SIMULACE BUDOV 2000, 28 October, Prague, pp. 35-40, International Building Performance Simulation Association - Czech Republic.
 11. Kubelka, J., Bartak, M. & Hensen, J.L.M. 2000. "Pocitacova simulace sireni Radonu v rodinnem dome," in Proc. IBPSA-Czech conference SIMULACE BUDOV 2000, 28 September, Prague, pp. 77-82, International Building Performance Simulation Association - Czech Republic. [Computer simulation of Radon transport in a single family house]
 10. Hensen, J.L.M. 1999. "Simulation of building energy and indoor environmental quality - some weather data issues," in Proc. Int. Workshop on Climate data and their applications in engineering, 4-6 October 1999, Czech Hydrometeorological Institute in Prague.
 9. Hensen, J.L.M. & Clarke, J.A. 1999. "Gebouwsimulatie: stand van zaken en de rol van IBPSA," in Proc. Symposium Modellen voor gebouw- en installatiesimulatie, 19 October, 1999, Delft, Energieonderzoek Centrum Nederland - ECN, Petten.(Building simulation: state-of-the-art and the role of IBPSA)
 8. Clarke, J.A., Hensen, J.L.M. & Janak, M. 1998. "Integrated building simulation: state-of-the-art," in Proc. Indoor Climate of Buildings '98, Slovak Society for Environmental Technology (SSTP), Bratislava.
 7. Janak, M. & Hensen, J.L.M 1996. "Introducing IT based environmental simulation courses in Slovak higher education (TEMPUS SJEP 09909-95)," in Proc. Tempus workshop ENGINEERING and RELATED SCIENCES, April 17 - 20, 1996, pp. 92-95, Bratislava.
 6. Clarke, J.A., Hensen, J.L.M., Johnstone, C. & McLean, R.C. 1994. "Environmental engineering at the University of Strathclyde in Glasgow," in Proc. 1st Conference of the Forum for Environmental Engineering Education, 7-9 Sept 1994, University of Abertay Dundee, Dundee (UK).
 5. Hensen, J.L.M. 1994. "Engineering tools for complex task of reducing energy consumption," in Proc. CONECO'94 Symposium "Reduction of Energy Consumption of Buildings", Bratislava.
 4. Hensen, J.L.M. 1993. "The building approached as an integration of energy systems," in Proc. XII Int. Conference on Air Conditioning and Ventilation, pp. 149-162, Czech Technical University in Prague.
 3. Hensen, J.L.M. 1992. "Energy simulation in building design," in Research on building structures and building physics, pp. 101-112, Eindhoven University of Technology. Proc. TUE/TU-Wroclaw interuniversity research seminar held in Eindhoven, November 18th 1992
 2. Hensen, J.L.M. 1992. "Exploring an Intelligent Front End for building energy simulation," in Proc. IEA `Energy Conservation in Buildings and Community

Systems ExCo Meeting Technical Day, Maastricht 10/11/92, Novem bv, Sittard (NL). (= Collaborative FAGO/ESRU report 92.38.K)

1. Brink, G.J. van den and Hensen, J.L.M. 1984. "Latent heat storage in a high performance passive solar heating system," in Proc. IEA Symposium on Latent Heat Storage, Stuttgart

Professional journal articles

131. Kotireddy, R., Hoes P., and Hensen, J.L.M. 2017. Robust net-zero energy buildings – A methodology for designers to evaluate robustness, REHVA Journal, August, pp. 9 – 19.
130. Loomans, M. G. L. C., Hensen, J. L. M., & Kort, H. S. M. (2017). Binnenklimaat - meer dan een ontwerprandvoorwaarde. *Bouwfysica*, 2017(1), 26-30.
129. Sarakinoti, V., Turrin, M., Teeling, M., De Rooter, P., Van Erk, M., Tenpierik, M., Konstantinou, T., Knaack, U., Pronk, A. D. C., Teuffel, P. M., Van Lier, A., Vorstermans, R., Dolkemade, E., de Klijn, M. L., Loonen, R. C. G. M., Hensen, J. L. M. & Vlasblom, D. (2017). Spong3d : 3D printed facade system enabling movable fluid heat storage. *Spool*, 4(2), 57-60.
128. Zelenský, P., Barták, M. & Hensen, J. L. M. 2017. Simulation of indoor environment in the concert hall housed in a former church In : Vytapeni, Vetrani, Instalace. 26, 6, p. 342-348 7 p.
127. de Witte, D., Knaack, U., de Klijn-Chevalerias, M. L., Loonen, R. C. G. M., Hensen, J. L. M., & Zimmermann, G. (2017). Convective Concrete: additive manufacturing to facilitate activation of thermal mass. *Spool*, 4(2), 13-16.
126. Voort, T.v.d., Zavrel, V., Torrens Galdiz, I.J., and Hensen, J.L.M. 2017. Analysis of performance metrics for data center efficiency – should the Power Utilization Effectiveness PUE still be used as the main indicator? (Part 2), REHVA Journal, April, pp. 37 – 43.
125. Voort, T.v.d., Zavrel, V., Torrens Galdiz, I.J., and Hensen, J.L.M. 2017. Analysis of performance metrics for data center efficiency - should the Power Utilization Effectiveness PUE still be used as the main indicator? (Part 1), REHVA Journal, Februari, pp. 5 - 11.
124. Bischoff, J., Hensen, J.L.M., Hamdy, H.M. & Philips, C. (2016) Renewable energy technology feasibility study for a new hotel building in Amsterdam. REHVA Journal Magazine, 2016(10), 21-27
123. Bouwens, E.P.M., Loomans, M.G.L.C., Hensen, J.L.M. & Lichtenberg, J.J.N. (2016). Potentie van natuurlijke ventilatie voor vrije koeling. *TVVL Magazine*, 45(7/8):1
122. Bron, M.L., Loomans, M.G.L.C. & Hensen, J.L.M. (2016). Energiezuinig ontwerpen. *De Architect*, 74(6), 78-80.
121. Dijkstra, D., Loomans, M.G.L.C., Hensen, J.L.M. & Cremers, B.E. (2016). Ventilatie-effectiviteit bij mechanische balansventilatie. *TVVL Magazine*, 45(4), 26-29.
120. van Eck, R., Gaetani, I., Hoes, P., Hennekeij, R. & Hensen, J. L. M. 2016. Energie- en comfortprestatie van energiezuinige woningen. *TVVL Magazine*. 10, p. 10-12
119. Loomans, M.G.L.C. & Hensen, J.L.M. (2016). Natuurlijke ventilatie voor vrije koeling – kort overzicht van de stand van zaken. *Bouwfysica*, 27(2):4

118. Roberz, F., Loonen, R.C.G.M., Hoes P. & Hensen, J.L.M. (2016). Ultra-lichtgewicht beton: bouwfysische alleskunner of simpelweg een ander beton?. *Bouwfysica* 27(3)
117. Torrens, J. I., Hensen, J. L. M. & Xu, L. 2016. Modelica for design of building and district energy systems: IEA EBC Annex60: Research projects demonstrating the benefits/utilization of Modelica. In : *Bouwfysica*. 2, 2016, p. 28-35 8 p.
116. Wackers, P.J.H., Loomans, M.G.L.C., van Goch, T.A.J. & Hensen, J.L.M. (2016). Performance Risk Assessment – Application Example for Large Atria. *REHVA Journal*, 2016(04), 40-44.
115. Boerstra, A.C., Loomans, M.G.L.C. & Hensen, J.L.M., 2015. Persoonlijke beïnvloeding van het binnenklimaat : invloed op comfort, gezondheid en productiviteit. *TVVL Magazine*, 2015(4), 24-27.
114. Entrop, dr.ir. A.G., dr.ir. M.G.L.C. Loomans, prof.dr.ir. J.L.M. Hensen, 2015. Luchtdoorlatendheid van woningen (deel 2). *TVVL Magazine*, ISSN 0165-5523, 44(10), p. 2-7
113. Hensen, J.L.M., Loonen, R.C.G.M., Archontiki, M. & Kanellis, M. (2015). Using building simulation for moving innovations across the "Valley of Death". *REHVA Journal*, 52(3), 58-62.
112. Hensen, J.L.M., Loonen, R.C.G.M., Archontiki, M. & Kanellis, M., 2015. Using building simulation for moving innovations across the "Valley of Death". *REHVA Journal*, 52(3), 58-62.
111. Hooff, T.A.J. van, Blocken, B.J.E., Hensen, J.L.M. & Timmermans, H.J.P. (2015). Gebouwprestatiesimulaties voor passieve klimaatadaptatiemaatregelen : studie voor een rijwoning. *TVVL Magazine*, 44(7/8), 32-35.
110. Lee, B. & Hensen, J.L.M. (2015). Integraal ontwerp van industriële hallen : case study voor een opslagloods. *TVVL Magazine*, 44(7/8), 40-42.
109. Loonen, R.C.G.M., Boer, B.J. de, Kornaat, W., Bakker, L.G. & Hensen, J.L.M. (2015). Zoektocht naar de ideale adaptieve gevel. *TVVL Magazine*, 44(7-8), 36-38.
108. Montazeri, H., Toparlar, Y., Blocken, B. J. E. & Hensen, J. L. M. (2015). Uluchshenie teplovogo komforta na ulitsah s pomochshyu sistem raspileniya (Improving outdoor thermal comfort using water spray systems), *Zdaniâ vysokih tehnologij*. Autumn, p. 46-54
107. Zavrel, V., Bartak, M., Hensen, J.L.M. 2015. Simulace chladicího systému datacentra v havarijním stavu [Simulation of a data center cooling system in emergency situation]. *Vytápení, ventraní, instalace; VVI*, 155-159.
106. Hensen, J. L. M., Verkerk-Evers, J. & Khayrullina, A. 2014." Matematiceskoe modelirovanie energopotrebleniya zdaniy: perspektivy razvitiya [Building performance simulation: prospects].", *Zdaniâ vysokih tehnologij*, no.2, 58-65.
105. Hensen, J. L. M., Loonen, R., Archontiki, M., Kanellis, M. & Khayrullina, A. 2014."Modelirovanie zdanii kak sredstvo dlya prodvizheniya innovatsii cherez dolinu", [Modeling of buildings to promote innovation through the " valley of death"], *Zdaniâ vysokih tehnologij*, no.4, 72-78.
104. Zelensky, P., Bartak, M. & Hensen, J.L.M. 2013. "Faktory ovlivnuyuci CFD simulaci koncepcniho proudu nad zdrojem tepla ve vnitrim prostredi", *Vytápení, vetrání, instalace; VVI*, vol. 22, no. 5, pp 214-220.
103. Wouters, P., Hensen, J.L.M. & Saelens, D. 2013. "Intelligente gebouwen", *TVVL Magazine*, vol. 42, no. 10, pp 4.

102. Kulve, M. te, Boerstra, A.C., Toftum, J., Loomans, M.G.L.C. & Hensen, J.L.M. 2013. "Effect van binnenklimaatbeïnvloeding", TVVL Magazine, vol. 42, no. 7/8, pp 8-12.
101. Helsen, L.M.L., Hensen, J.L.M. 2013. "Geothermische warmtepompen en betonkernactivering", TVVL Magazine, vol. 42, no. 5, pp 5-8.
100. Helsen, L.M.L. & Hensen, J.L.M. 2013. "Geotabs: bright future ahead", TVVL Magazine, vol. 42, no. 5, pp 4.
99. Dronkelaar, C. van, Cóstola, D., Mangkuto, R.A. & Hensen, J.L.M. 2013. "Ondergronds als alternatief voor bovengronds bouwen", TVVL Magazine, vol. 42, no. 10, pp 44-47.
98. Loonen, R.C.G.M., Khayrullina, A. & Hensen, J.L.M. 2014. "Bioadaptivnaya obolochka zdaniya", [Bio-inspired adaptive building shells]. Zdaniâ vysokih tehnologij, 2014(Summer), 50-57.
97. Costóla, D., Arteconi, A. & Hensen, J.L.M. 2013. "Computersimulatie van geotabs-systemen", TVVL Magazine, vol. 42, no. 5, pp 34-36.
96. Hensen, J.L.M. (2012). Gebouwsimulatie: recent onderzoek, TVVL Magazine, vol. 41, no. 5, p. 4. (Editorial)
95. Heijden, M.G.M.v.d.; Loomans, M.G.L.C.; Lemaire, A.D.; Hensen, J.L.M. (2012). Brandveiligheidsanalyse van semi-open parkeergarages, TVVL Magazine, vol. 41, no. 5, pp. 14-16
94. Hoes, P.; Trcka, M.; Hensen, J.L.M.; Hoekstra Bonnema, B. (2012). Optimalisatie gebouwoontwerp met een robuustheidsindicator, TVVL Magazine, vol. 41, no. 5, pp. 18-20
93. Houben, J.; Trcka, M.; Hensen, J.L.M. (2012). Computersimulatie voor product- en ontwerpontwikkeling, TVVL Magazine, vol. 41, no. 5, pp. 46-48
92. Lee, B.; Trcka, M.; Hensen, J.L.M. (2012). Pv-systemen voor industriële hallen, TVVL Magazine, vol. 41, no. 5, pp. 26-28
91. Loonen, R.C.G.M.; Trcka, M.; Hensen, J.L.M. (2012). Adaptieve gevels, TVVL Magazine, vol. 41, no. 5, pp. 34-36
90. Mangkuto, R.A.; Ochoa, C.E.; Aries, M.B.C.; Loenen, E.J.v.; Hensen, J.L.M. (2012). 'Virtual Natural Lighting' systemen, TVVL Magazine, vol. 41, no. 5, pp. 38-40
89. Mors, S. ter, Hensen, J. L. M., Loomans, M. G. L. C., and Boerstra, A. C. 2012. "Adaptief thermisch comfort in basisschool leslokalen : onderzoek naar op PMV gebaseerde temperatuur-grenswaarden", TVVL Magazine, vol. 41, no. 7/8, 4-8.
88. Pluijm, W. M. P., Boxem, G., Loomans, M. G. L. C., and Hensen, J. L. M. 2012. "Effectiviteit balansventilatie in woningbouw", TVVL Magazine, vol. 41, no. 10, 16-19.
87. Zelensky, P., Bartak, M., and Hensen, J. L. M. 2012. "Model sedici osoby jako zdroje tepla ve vnitřním prostředí", Vytápění, Vetrání, Instalace (VVI), vol. 21, no. 5, 228-232.
86. Hensen, J. L. M. 2011. "Gebouwprestatiesimulatie en duurzaam energiegebruik", TVVL Magazine, vol. 40, no. 1, 24-27.
85. Hoes, P., Trcka, M., Hensen, J. L. M., and Hoekstra Bonnema, B. 2011. "Hybride adaptieve thermische energieopslag", TVVL Magazine, vol. 40, no. 2, 6-10.
84. Hoof, J. van, Kort, H. S. M., Duijnstee, M. S. H., Hensen, J. L. M., and Rutten, P. G. S. 2011. "Installaties in verpleeghuizen - Houd rekening met bewoners met dementie", Verwarming Ventilatie Plus, vol. 68, no. 3, 140-143.

83. Loomans, M., Hensen, J., and Hoes, P. 2011. "Simulatie: efficient en producerend (Editorial themanummer)", TVVL Magazine, vol. 40, no. 2, 5.
82. Loonen, R. G. C. M., Trcka, M., Costola, D., and Hensen, J. L. M. 2011. "Prestatiesimulatie van adaptieve gevels", TVVL Magazine, vol. 40, no. 2, 12-16.
81. Timmers, S., Schellen, L., Loomans, M. G. L. C., Nelissen, E., Hensen, J. L. M., and Marken Lichtenbelt, W. van 2011. "Ontwerprichtlijnen ter voorkoming van koudeval : beoordeling van thermisch comfort nabij glasgevels", Bouwfysica, vol. 22, no. 4, 8-13
80. Brake, J. van de, Hensen, J. L. M., Trcka, M., and Mast, J. G. 2010. "Oude technologie voor nieuwe gebouwen", TVVL Magazine, vol. 39, no. 5, 12-16.
79. Costola, D., Blocken, B., and Hensen, J. 2010. "External coupling between BES and HAM programs for whole-building simulation", IBPSA News, International Building Performance Simulation Association, vol. 20, no. 1, 31-38
78. Hensen, J. L. M. 2010. "Building performance simulation for sustainable energy use in buildings", REHVA Journal, vol. 47, no. 4, pp. 26-30
77. Hensen, J. L. M. 2010. "Gebouwsimulatie: voor nu en morgen", TVVL Magazine, vol. 39, no. 2, 5.
76. Hoof, J. van, Kort, H. S. M., Duijnstee, M. S. H., Hensen, J. L. M., and Rutten, P. G. S. 2010. "Binnenmilieu en installaties in het verpleeghuis", TVVL Magazine, vol. 39, no. 4, 24-27.
75. Sulaiman, R., Schellen, H. L., & Hensen, J. L. M. 2010. "Pilot study on indoor climate investigation and computer simulation in historical museum building: Amerongen Castle, the Netherlands", Journal of Design and Built Environment, University of Malaya, vol. 7, pp. 75-94.
74. Vaan, C. de, Wiedenhoff, J., and Hensen, J. L. M. 2010. "De mythe thermische massa", TVVL Magazine, vol. 39, no. 7/8, 28-31.
73. Verkerk-Evers, J. E. J., Struck, C., Herpen, R. A. P., Hensen, J. L. M., Wijsman, A. J. T. M., and Plokker, W. 2010. "Klimatiseringsconcepten voor de toekomst", TVVL Magazine, vol. 39, no. 7/8, 22-26.
72. Vaan, C. F. M., Wiedenhoff, F. J. M., and Hensen, J. L. M. 2009. "Massa is genuanceerde ballast", Bouwen met Staal, vol. 42, no. 211, 42-46.
71. Verkerk-Evers, J. E. J., Struck, C., Herpen, R. A. P. van, Hensen, J. L. M., Wijsman, A., and Plokker, W. 2009. "Robuustheid voor klimaatvariaties - vergelijking van klimatiseringsconcepten met behulp van gebouwsimulatie", Bouwfysica, vol. 20, no. 3, 2-7.
70. Vreenegoor, R. C. P., Krikke, T., Mierlo, B. P. van, Pluijm, W. M. P. van der, Poortvliet, R., Hensen, J. L. M., and Loomans, M. G. L. C. 2009. "Groen, groener, groenst?", TVVL Magazine, vol. 38, no. 6, 40-47.
69. Zoon, W. A. C., Loomans, M. G. L. C., and Hensen, J. L. M. 2009. "Vooronderzoek gevoeligheidsanalyse operatiekamerventilatie", TVVL Magazine, vol. 38, no. 3, 20-23.
68. Zoon, W., Loomans, M., and Hensen, J. 2009. "Ontwerp van een ventilatiesysteem voor een operatiekamer objectief beoordeeld", FMT Gezondheidszorg, vol. 4, no. 6/7, , 22-23.
67. Evers, J. E. J, Struck, C., Hensen, J., Wijsman, A., Plokker, W., and Herpen, J. van 2008. "Klimaatscenario's in gebouwsimulatieprogramma's: eerste gebruikservaringen", TVVL Magazine, vol. 37, no. 11, 18-27

66. Linden, M. van der, Loomans, M., and Hensen, J. L. M. 2008. "Adaptief thermisch comfort verklaard met Fanger-model", TVVL Magazine, vol. 37, no. 7-8, 18-23
65. Loomans, M. and Hensen, J. 2008. "Editorial themanummer - Gebouwsimulatie: praktijk en ontwikkelingen", TVVL Magazine, vol. 37, no. 11, 4
64. Vreenegoor, R. C. P., Hensen, J. L. M., and Vries, B. de 2008. "Beoordeling energieprestatie tools", TVVL Magazine, vol. 37, no. 11, 64-69
63. Hensen, J. 2007. "De unit Building Physics & Systems aan de TU Eindhoven", TVVL Magazine, vol. 36, no. 2, 60-61
62. Lain, M. and Hensen, J. 2007. "La refrigeracion nocturna en edificios de oficinas optimizacion del sistema mecanico", Frio-Calor-Aire Acondicionado (Madrid), no. Oct, 21-28
61. Dusee, P. E. R., Meijnders, A. L., and Hensen, J. L. M. 2006. "Energiebesparing door gedragsverandering; huishoudens versus utiliteitsbouw", TVVL Magazine, vol. 35, no. 3, 4-7
60. Dusee, P. E. R., Meijnders, A. L., and Hensen, J. L. M. 2006. "Het energiebesparingspotentieel van gedrag in kantooromgeving", Gebouwbeheer, no. 2, 24-26
59. Hensen, J. 2006. "Gebouwsimulatie: beter inspelen op de praktijk van nu en morgen [themanummer editorial]", TVVL Magazine, vol. 35, no. 2, 4
58. Hensen, J. L. M. and Djunaedy, E. 2006. "Eenvoudig of complexe gebouwsimulatie; wat is beter?", TVVL Magazine, vol. 35, no. 6, 8-15
57. Hensen, J. L. M. and Hoof, J. van 2006. "Kanttekeningen bij ISSO 74 qua context, proces en product", Verwarming Ventilatie Plus, vol. 63, no. 1, 30-33
56. Vreenegoor, R, Hensen, J. L. M., Vries, B. de, Soethout, L., and Bonsma, P. 2006. "Woningontwerp met energie- en comfortadvies", TVVL Magazine, vol. 35, no. 3, 22-27
55. Yamaguchi, Y., Hensen, J., Shimoda, Y, Asai, T., and Mizuno, M. 2006. "District level energy management using a bottom-up modeling approach", IBPSA News, International Building Performance Simulation Association, vol. 16, no. 2, 38-45
54. Hensen, J. 2005. "Referentiejaar of beter een langere referentieperiode?", TVVL Magazine, vol. 34, no. 7-8, 16-19
53. Hensen, J., Bartak, M., and Drkal, F. 2005. "Gebouwsimulatie bij het ontwerp van een tweedehuidfacade", TVVL Magazine, vol. 34, no. 6, 18-23.
52. Hensen, J. L. M. 2005. "Vergelijking van twee energiezuinige koelstrategieen (voor een atrium, met behulp van gebouwsimulatie)", TVVL Magazine, vol. 34, no. 3, pp 4-7
51. Hoof, J. van and Hensen, J. L. M. 2005. "Nieuwe Nederlandse comfortnormen nader bekeken", TVVL Magazine, vol. 33, no. 3, pp. 46-53
50. Djunaedy, E. and Hensen, J. 2004. "Kwaliteitsbewaking bij CFD-simulaties", Verwarming Ventilatie Plus, vol. 61, no. 11, 832-837
49. Hensen, J. L. M. and Radošević, M 2004. "Some quality assurance issues and experiences in teaching building performance simulation", IBPSA News, International Building Performance Simulation Association, vol. 14, no. 2, pp. 22-33
48. Hensen, J. L. M. 2004. "Ontwerpen en gebouwsimulaties", Verwarming Ventilatie Plus, vol. 61, no. 10, pp 738-743
47. Hensen, J. L. M. 2004. "Gebouwprestatie simulatie: recente Nederlandse ontwikkelingen en toepassingen", TVVL Magazine, vol. 33, no. 9, 4-5

46. Hensen, J. L. M. 2004. "Gebouwprestatie s(t)imulatie", TVVL Magazine, vol. 33, no. 3, 6-12.
45. Djunaedy, E., Hensen J. & Loomans, M. 2003. "Luchtstomingssimulatie - een doordachte keuze", TVVL Magazine, vol. 32, nr.12, pp. 66-68.
44. Hensen, J.L.M. 2003. "Simulating building performance: just how useful is it?", REHVA Journal, nr. 4, Federation of European Heating, Ventilating and Air-conditioning Associations - REHVA, Brussels.
43. Hensen, J.L.M. 2003. "Simulatie voor betere gebouwprestaties", TVVL Magazine, vol. 32, nr.12, pp. 5
42. Hensen, J.L.M. 2003. "Gebouwprestatiesimulatie voor beter ontwerp en beheer van gebouwen", SUPporter, december, pp. 28-29
41. Yahiaoui, A., Hensen J. & Soethout, L. 2003. "Regelstrategieën in software gebouwprestatiesimulatie", TVVL Magazine, vol. 32, nr.12, pp. 58-59.
40. Zmrhal, V., Drkal, F. & Hensen, J. 2003. "Modellering en simulatie ruimte met een koelplafond", TVVL Magazine, vol. 32, nr.12, pp. 51
39. Hensen, J.L.M. 2002. "Beter ontwerp door gebouwprestatie simulatie", TVVL Magazine, vol. 31, nr. 9, pp. 5
38. Hensen, J.L.M. 2002. "Simulatie van gebouwprestaties - wie heeft er wat aan", TVVL Magazine, vol. 31, nr. 9, pp. 8-14
37. Hensen, J.L.M. 2002. "Weergegevens voor gebouwprestatie simulatie - samenvatting", TVVL Magazine, vol. 31, nr. 9, pp. 20-21
36. Hensen, J.L.M. & Centnerova, L. 2002. "Is adaptieve thermische behaaglijkheid relevant voor de Nederlandse situatie?", Verwarming en Ventilatie, vol. 59, nr. 4, pp. 20-38
35. Lain, M., Bartak, M., Drkal, F. & Hensen, J. 2002. "Vyuziti pocitacove simulace pri navrhu klimatizace nove galerie v objektu Sovovych mlynu," Vytapeni, Vetrani, Instalace (VVI), Prague, vol. 11, no. 2, pp. 68-70. [Simulation in engineering the ventilation and air-conditioning of a new art gallery in Sovovy Mlyny]
34. Centnerova, L. & Hensen, J.L.M. 2001. "Energeticke simulace tradicniho vs. adaptivniho modelu tepelne pohody," Vytapeni, Vetrani, Instalace (VVI), vol. 10, nr. 4, pp. 179-182. [Energy simulation of traditional vs. adaptive thermal comfort]
33. Hensen, J.L.M. 2001. "Leren door Probe(ren)," TVVL Magazine, vol. 30, no. 12, p. 5 (Editorial).
32. Hensen, J.L.M. 2001. "Gebouw- en installatiesimulatie(technieken) in de Benelux," TVVL Magazine, vol. 30, no. 6, p. 5 (Editorial).
31. Hensen, J.L.M. 2001. "IBPSA en andere (internationale) gebouwsimulatie ontwikkelingen," TVVL Magazine, vol. 30, no. 6, p. 54-60.
30. Hensen, J.L.M. & Centnerova, L. 2001. "Adaptieve versus traditionele termische behaaglijkheid: (energiebehoefte) consequenties," TVVL Magazine, vol. 30, no. 7/8, pp. 36-44.
29. Hensen, J.L.M. 2001. "Moving building simulation into practice - some (Czech) approaches," REHVA Journal, no. Dec., pp. 15, Federation of European Heating, Ventilating and Air-conditioning Associations - REHVA.
28. Kabele K. & Hensen, J. 2001. "Energeticke a ekologicke systemy budov - administrativni budova DWA v Bodengravenu v Holandsku," Topin (Topenarstvi Instalace), vol. 35, no. 6, pp. 48-49. [Energy and ecology building system - office building DWA in Bodegraven in The Netherlands]

27. Hensen J.L.M. & Clarke, J.A. 2000. "Gebouwsimulatie: stand van zaken en rol IBPSA," TVVL Magazine, vol. 29, no. 2, pp. 12-18.
26. Hensen, J.L.M. & Clarke, J.A. 2000. "Simulace budov - stav techniky a uloha IBPSA," Vytapeni, Vetrani, Instalace (VVI), Prague, vol. 9, no. 5, pp. 226-230. [Gebouwsimulatie: stand van zaken en rol IBPSA]
25. Hensen, J.L.M. & Drkal, F. 2000. "Simulation of energy and indoor environment in buildings," REHVA Journal, no. May, pp. 9, Federation of European Heating, Ventilating and Air-conditioning Associations - REHVA.
24. Hensen, J.L.M. 2000. "Ontwikkelingen gebouwsimulatie vanuit internationaal perspectief," Verwarming en Ventilatie, vol. 57, no. 12, pp. 983-987.
23. Drkal, F. & Hensen, J.L.M. 1998. "Simulace spotreby energie a tepelneho stavu prostredi v budovach," Inzenyrska Komora '98, no. 1, pp. 30-35, CKAIT (Czech Chamber of Authorized Engineers).
22. Hensen, J.L.M., Janak, M., Kaloyanov, N. & Rutten, P.G.S. 1998. "Cursus gebouw en energiesimulatie op het Web," TVVL Magazine, vol. 27, no. 3, pp. 30-35.
21. Hensen, J.L.M. & Spitler, J.D. 1997. "Building Simulation '97," IBPSA News, vol. 9, no. 2, International Building Performance Simulation Association.
20. Drkal, F. & Hensen, J.L.M. 1997. "Mezinarodni konference Building Simulation '97 na CVUT," Informacni Bulletin Rektoru, no. 5, Czech Technical University in Prague.
19. Hensen, J.L.M. 1995. "Energie in gebouwen: ontwerpbeslissingen verdienen computersimulatie," TVVL Magazine, vol. 24, no. 3, pp. 37-42.
18. Hensen, J.L.M. 1994. "Integrovani pristup k reseni systemu vytapeni, vetrani a klimatizace v budovach (HVAC)," Vytapeni, Vetrani, Instalace (VVI), vol. 3, no. 1, pp. 8-11, Prague.
17. Hamelinck, M.J.H. & Hensen, J.L.M. 1994. "Simulatie van de energetische aspecten van een verdringingssysteem in kantoren," Klimaatbeheersing, vol. 23, no. 3, pp. 5-10.
16. Hensen, J.L.M. 1994. "Interactie luchttemperatuur en -debiet in CAV systemen," Klimaatbeheersing, vol. 23, no. 1, pp. 20-26.
15. Hensen, J.L.M. 1993. "Noodzaak en gereedschap voor integrale gebouw en installatie benadering," Klimaatbeheersing, vol. 22, no. 2, pp. 19-25.
14. Hensen, J.L.M. 1993. "Simulatie energie in gebouwen: internationale samenwerking noodzakelijk," Bouwfysica, vol. 4, no. 4, pp. 17-23.
13. Schijndel, A.W.M. van & Hensen, J.L.M. 1993. "Warmte- en vochttransportsimulatie met blokdiagram programma's," Bouwfysica, vol. 4, no. 3, pp. 19-24.
12. Hensen, J.L.M. 1992. "Zwembaden. Thermisch comfort en prestatie-eisen binnenmilieu," Bouwfysica, vol. 3, no. 4, pp. 13-18.
11. Hensen, J.L.M. 1992. "Ontwerpevaluatie via simulatie van gekoppeld warmte- en luchttransport: twee praktijkvoorbeelden," Bouwfysica, vol. 3, no. 1, pp. 34-39.
10. Hensen, J.L.M. 1991. "Thermische behaaglijkheid in niet-stationaire omstandigheden; een literatuuronderzoek," Klimaatbeheersing, vol. 20, no. 6, pp. 173-181.
9. Hensen, J.L.M. 1988. "Woninginstallatiemetingen onder dynamische omstandigheden," Klimaatbeheersing, vol. 17, no. 3, pp. 110-116.
8. Hensen, J.L.M. & Hoen, P.J.J. 1987. "Energiebesparing? Doen! Maar op welke manier?," Bouwwereld, vol. 83, no. 24.

7. Hensen, J.L.M. 1987. "Energieproeftuin: resultaten na twee stookseizoenen," Bouw, no. 3, pp. 38-41.
6. Hoen, P.J.J. & Hensen, J.L.M. 1987. "Resultaten energieproeftuin Hoofddorp," Energiespectrum, vol. 11, no. 7/8, pp. 183-187.
5. Laan, M.J. van der, Hensen, J.L.M. & Hoen, P.J.J. 1987. "Optimaliseringsregeling en nachtverlaging in woningen," Verwarming en Ventilatie, vol. 44, no. 11.
4. Hensen, J.L.M. & Wit, M.H. de. 1986. "Eenvoudige bouwkundige luchtcollectoren voor verwarming van verse ventilatielucht," Verwarming en Ventilatie, vol. 44, no. 7, pp. 517-524.
3. Hensen, J.L.M. & Wit, M.H. de. 1986. "Zomersituatie in (energiezuinige) woningen: kennis en praktijk," Bouw, no. 17, pp. 35-37.
2. Hensen, J.L.M., Hoen, P.J.J. & Leeuw, J. de. 1985. "Energieproeftuin: eerste resultaten hoopvol," Bouw, no. 26, pp. 12-15.
1. Hensen, J.L.M., Hoen, P.J.J. & Leeuw J. de. 1985. "Uitgebreid meetprogramma voor de energieproeftuin," Bouw, no. 22, pp. 48-49.

Keynote lectures

30. 2013 – AIVC International Workshop on Ventilative Cooling Need, Challenges and Solution Examples, Brussels
29. 2012 – IEA-ECBCS Roadshow, Heerlen
28. 2012 – Simurex, Corsica
27. 2012 – Energy Days, Eindhoven
26. 2012 – BinSimDer, Istanbul
25. 2012 – First Annual Meeting of the Center for Cabin Air Reformative Environment, Beijing
24. 2012 – Workshop on Sustainable and High-Performance Industrial Facility Technologies, Tianjin
23. 2011 – TESKON Congress, Izmir
22. 2011 – IBPSA-Turkey, Istanbul
21. 2011 – IBPSA-USA, Montreal
20. 2010 – 3rd International Conference on Technology of Architecture and Structure, Beijing, China
19. 2010 – "60 years of environmental engineering", Czech Technical University in Prague
18. 2010 – 10th REHVA World Congress - Clima2010, Antalya
17. 2008 – Clima academy, Pamporovo
16. 2007 – EPBD - Japan, Osaka
15. 2007 – KUL Summer Course, Leuven
14. 2007 – SHASE, Sendai
13. 2007 – Symposium Wind and Buildings, Delft
12. 2006 – TU Eindhoven -TVVL Symposium, Eindhoven
11. 2006 – TU Eindhoven - Alumni, Eindhoven
10. 2006 – UFSC, Florianopolis

9. 2005 – TVVL, Delft
8. 2004 – CTD, Eindhoven
7. 2003 – TVVL, Chicago
6. 2002 – BLAVA, Erasmus
5. 2002 – IBPSA NVL, Eindhoven
4. 2001 – IBPSA, Rio
3. 2001 – REHVA, Prague
2. 2000 – REHVA, Prague
1. 1999 – IBPSA, Kyoto

Invited lectures

28. 2013 – Daikin VRV IV Event, Enschede
27. 2013 – Intelligent Building Operations Workshop, Boulder
26. 2013 – World Summit on Building Simulation Research, Philadelphia
25. 2012 – Excellence course, Politecnico
24. 2012 – EU JRC expert meeting, Glasgow
23. 2011 – CPD lecture, The Honk Kong Polytechnic University
22. 2011 – Lawrence Berkeley National Laboratory, Berkeley CA
21. 2011 – University California Berkeley, Berkeley CA
20. 2011 – VABI Software, Nieuwegein
19. 2010 – Duurzame vloeren seminar, Bouwen met Staal, Utrecht
18. 2010 – IBPSA-Danube conference, Belgrade
17. 2009 – AIVC, Barcelona
16. 2009 – Eigen haard, Amsterdam
15. 2009 – Workshop Light Initiative, Eindhoven
14. 2008 – Daikin Konwakai, Prague
13. 2008 – ESF-NSF Workshop on the applications of Adaptive Structures and Materials to Sustainable Energy and the Built Environment
12. 2007 – ASHRAE, Dallas
11. 2007 – Daikin Konwakai, Plzen
10. 2007 – Symposium Wind and Buildings, Delft
9. 2006 – Informal seminar -The indoor environment of operating theatres, Eindhoven
8. 2005 – ISSO-publicatie 74
7. 2005 – NVBV, Delft
6. 2005 – TVVL, Zeist
5. 2005 – Velta, Gent
4. 2003 – UNETO-VNI, Zoetermeer
3. 2001 – REHVA, Prague
2. 2000 – REHVA, Prague
1. 2000 – Installatietechniek aan de TU Eindhoven, nu en in de toekomst, Eindhoven

Taught courses (selection)

- 2004 – date : State-of-the-art in building performance simulation, Technische Universiteit Eindhoven
- 1998 – date : Capita Selecta of building performance simulation, Technische Universiteit Eindhoven (since 2002) and Czech Technical University in Prague
- 1996 - date: Introduction to building performance simulation for integrated solutions, Technische Universiteit Eindhoven (since 2000) and Czech Technical University in Prague
- 1993 – 1999: Environmental Engineering Science I and II, University of Strathclyde
- 1993 – 1999: Energy/ Environmental Simulation, University of Strathclyde
- 1993 – 1999: Building Thermal Engineering, University of Strathclyde

Doctoral dissertation or PhD theses advisor

- 41. Bognar, Adam [2020 Expected], Development of a multi-criteria performance assessment framework for next-generation truly building-integrated PV, Technische Universiteit Eindhoven.
- 40. Borgstein, Edward [2019 Expected], Dynamic Benchmark models to characterise energy performance in buildings, Technische Universiteit Eindhoven.
- 39. Gaetani, Isabella [2018 Expected], Modeling of occupant influence for building energy performance predictions, Technische Universiteit Eindhoven.
- 38. Košútová, Katarína, Multi-scale computational assessment of ventilative cooling as an energy-efficient measure to avoid indoor overheating, Technische Universiteit Eindhoven.
- 37. Kotireddy, Rajesh [2018 Expected], Modeling and simulation of robust net-zero energy buildings, Technische Universiteit Eindhoven.
- 36. Loonen, Roel. [2014 Expected], Inverse modeling of climate adaptive building shells, Technische Universiteit Eindhoven.
- 35. Mohammadi, Zahra [2020 Expected] Performance prediction for energy flexible future-proof building designs, Technische Universiteit Eindhoven.
- 34. Saini, Hemshikha [2020 Expected]. Development of advanced computational support for responsive building elements, Technische Universiteit Eindhoven.
- 33. Simek, Jakub [2020 Expected], Energy consumption of air conditioning systems, Czech Technical University in Prague.
- 31. Vries, Samuel de [2021 Expected], Computational analysis and optimization of innovative shading concepts, Technische Universiteit Eindhoven.
- 30. Xu. Luyi [2019 Expected], Modeling and Simulation of District Heating with Seasonal Storage, Technische Universiteit Eindhoven.
- 29. Zavrel, Vojtech. [2018 Expected], Building simulation based overall energy efficiency optimization of data centres, Technische Universiteit Eindhoven.
- 28. Zelensky, Petr. [2015 Expected], Simplified heat source modeling for computational simulation of indoor air flow, Czech Technical University in Prague.
- 27. Lee, Chul-Sung. 2017, Simulation-based Performance Assessment of Climate Adaptive Greenhouse Shells, doctoral dissertation, Technische Universiteit Eindhoven
- 26. Boerstra, A.C. 2016, Personal control over indoor climate in offices. Impact on comfort, health and productivity, doctoral dissertation, Technische Universiteit Eindhoven.

25. Montazeri, Hamid. 2015, Computational modelling of evaporative cooling as a climate change adaptation measure at the spatial scale of buildings and streets, Technische Universiteit Eindhoven
24. Hoes, Pieter-Jan. 2014, Lightweight house with hybrid adaptable thermal storage, Technische Universiteit Eindhoven
23. Lee, Bruno. 2014, Sustainable E+ industrial hall - advanced design support and assessment, Technische Universiteit Eindhoven
22. Mangkuto, Rizki. 2014, Modeling of virtual natural lighting solutions for buildings, Technische Universiteit Eindhoven
21. Pernigotto, Giovanni. 2013, Evaluation of building envelope energy performance through extensive simulation and parametrical analysis, PhD thesis, Technische Universiteit Eindhoven
20. Yahiaou, Azzedine. 2013, A distributed dynamic simulation mechanism for buildings automation and control systems, doctoral dissertation, Technische Universiteit Eindhoven
19. Attia, Shady. 2012, A tool for design decision making - zero energy residential buildings in hot humid climates, PhD thesis, Technische Universiteit Eindhoven
18. Krainer, Robert. 2012, Nove metody hospodarného dimenzovaného systému s tepelným čerpadlom a svislými zemnými vrtmi [New methods for optimized system design of heat pumps with borehole heat exchangers], PhD thesis, Technische Universiteit Eindhoven
17. Melhado, Monica. 2012, Towards a performance assessment methodology using computational simulation for air distribution system designs in operating rooms, doctoral dissertation, Technische Universiteit Eindhoven
16. Melo, Ana Paula. 2012, Desenvolvimento de um modelo simplificado para estimar o consumo de energia de edificações comerciais através da aplicação de redes neurais, PhD thesis, Technische Universiteit Eindhoven
15. Struck, Christian. 2012, Uncertainty propagation and sensitivity analysis techniques in building performance simulation to support conceptual building and system design, doctoral dissertation, Technische Universiteit Eindhoven
14. Costola, Daniel. 2011, External coupling of building energy simulation and building element heat, air and moisture simulation, doctoral dissertation, Technische Universiteit Eindhoven
13. Mirsadeghi, Mohammad. 2011, Co-simulation of building energy simulation and computational fluid dynamics for whole-building heat, air and moisture engineering, doctoral dissertation, Technische Universiteit Eindhoven
12. Duska, Michal. 2010, Akumulace tepla ve vypočtu tepelné zátěže klimatizovaných prostorů [Heat accumulation in the calculation of thermal loads for space conditioning], PhD thesis, Technische Universiteit Eindhoven
11. Forejt, Lubos. 2009, Airflow performance modeling in mobile operating rooms, PhD thesis, Technische Universiteit Eindhoven
10. Hopfe, Christina. 2009, Uncertainty and sensitivity analysis in building performance simulation for decision support and design optimization, doctoral dissertation, Technische Universiteit Eindhoven
9. Ulukavak, Gulsu. 2009, Enerji performansı öncelikli mimari tasarım sürecinin ilk aşamasında kullanılabilircek tasarıma destek değerlendirmesi modeli [An assessment model addressed to early phases of architectural design process prioritized by energy performance], PhD thesis, Technische Universiteit Eindhoven
8. Hojer, Ondrej. 2008, Optimalizace radiacní geometrie světelných plynových zářičů [Optimization of radiation geometry of high-temperature gas heater], PhD thesis, Technische Universiteit Eindhoven
7. Lain, Milos. 2008, Nízkoenergetické chlazení budov [Low-energy cooling of buildings], PhD thesis, Technische Universiteit Eindhoven

6. Trcka, Marija. 2008, Co-simulation for performance prediction of innovative integrated mechanical energy systems in buildings, doctoral dissertation, Technische Universiteit Eindhoven
5. Bartak, Martin. 2007, Numericke modelovani turbulentniho proudeni ve vetrane mistnosti [Numerical modeling of turbulent flow in a ventilated room], PhD thesis, Technische Universiteit Eindhoven
4. Zmrhal, Viktor. 2005, Tepelny komfort a energeticka bilance systemu s chladicim stropem [Thermal comfort and energy balance of cooled ceiling systems], PhD thesis, Technische Universiteit Eindhoven
3. Djunaedy, Ery. 2005, External coupling between building energy simulation and computational fluid dynamics, doctoral dissertation, Technische Universiteit Eindhoven
2. Centnerova, Lada. 2001, Tradicni & adaptivni model tepelne pohody [Traditional & adaptive thermal comfort], PhD thesis, Technische Universiteit Eindhoven
1. Dunovska, Terezie. 1999, Matematicke modelovani a pocitacova simulace tepelne bilance v technice prostredi [Mathematical modeling and computer simulation of heat balance for environmental engineering], PhD thesis, Technische Universiteit Eindhoven

Professional doctorate in engineering trainees

6. Barcelos, Johan [2019 Expected]. Designing a district heating system.
5. de Klijn, Marie [2017 Expected]. Supporting the diffusion of building performance simulation in Arup's workflow, a design-thinking approach.
4. Kyrou, Evangelos [2019 Expected].
Papachristou, Christina [2019 Expected]. Design of a selection guideline for thermal comfort strategies in existing office buildings for optimized smart grid applications.
3. Surugin, Dmitry [2019 Expected]. Development of a Guideline for an Appropriate Selection of BIPV Performance Prediction Methods.
2. Varela-Souto, Antía [2019 Expected]. Development of a design support tool for an innovative BICPV façade system.
1. Puranik, Sanket. 2017, 'Risk-averse' design solutions for HOMIJ using Building Performance Simulations - A case study of MorgenWonen.

Master degree thesis supervisor

137. Ahmed, Mohammad Samir, [2018 Expected], Thermal Energy Management Strategy in Buildings with Seasonal Thermal Energy Storage (Atlas Case).
136. Alavirad, Soheil, [2018 Expected], Sustainable heating solution for a district in Netherlands, WitteveenBos.
135. Bekhuis, Bruno, [2018 Expected], Hybrite Heat Pumps
134. Benen, Marjolijn [2018 Expected], Net Zero House in Oss.
133. Boesten, Stef [2018 Expected], Analyzing cases of application of fuel-shift technologies for heating in Copenhagen.
132. Botman, Roy [2018 Expected], Designing a district in a way energy demand is minimized by optimizing building cluster compositions.
131. Cetin Ozturk, Sultan, [2018 Expected], Cost optimal renovations of apartment buildings.

130. Duque Lozano, David [2018 Expected], Aesthetic photovoltaic facades: towards making (almost) all built surfaces a source of clean energy.
129. Koenders, Stefan [2018 Expected], Active Insulation - experimental and computational performance assessment of a dynamic insulation system.
128. Kok, Bart [2018 Expected], Is it possible to predict the energy consumption of current office buildings based on limited available information to offer a better suited EPC?
127. Mennen, Lenny [2018 Expected], Reducing the financial risks of the performance gap caused by Occupant Behavior in Energy Performance Contracting – testing the usability of the Impact Indices method.
126. van Middendorp, Gerton [2018 Expected], Development towards robust energy concepts for clustered residential buildings considering uncertainties.
125. Nair, Swati, [2018 Expected], Power flexibility derived by varying heating and cooling loads in a typical Dutch office building using building thermal mass as storage.
124. van Oirschot, Teun [2018 Expected], Lumiduct façade system: Experimental study on visual, thermal & energy performance.
123. Puspita Rachman, Arinda, [2018 Expected], Smartness Indicator Grading System as a Design Guidelines for Developing a Dutch Smart Ready House.
122. Schurink, Niels, [2015 Expected], Selling hot air: the potential of solar heat for agricultural drying applications.
121. Thoen, Hester, [2018 Expected], Optimization of the indoor climate for promoting productivity in offices.
120. Venkatakrisnan, Vignesh, [2018 Expected], Learning lessons from data analysis of monitored rooftop pv systems.
119. Vervoort, Jill, [2018 Expected]. HEA-NZEB schools for India.
118. Voort, Tom van de [2017 Expected] Improving Robustness of Occupant Behavior Modeling in Building Energy Simulation: An Office Building Case Study in São Paulo, Brazil.
117. Woensel, Remco van, [2018 Expected]. Fit-for-purpose occupant behavior modeling for adaptive facades.
116. Al Juma, D., 2017, Techno-Economic analysis of seasonal storage for a Dutch NZEB single family dwelling, MSc thesis, Technische Universiteit Eindhoven.
115. Annur, Prahaladh, 2017, Building a simple method to determine the effectiveness of using waste heat from a BIPV system, MSc thesis, Technische Universiteit Eindhoven.
114. Chen, Y., 2017, Categorization of dwelling heat flexibility regarding outdoor climate., MSc thesis, Technische Universiteit Eindhoven.
113. Costa, S., 2017, Planning for the Future: Developing a Risk-Averse Strategy of Future-Proof Nearly Zero Energy Building Retrofits for Woonbedrijf Considering Multiple KPIs and Market Scenarios., MSc thesis, Technische Universiteit Eindhoven.
112. Dvorak, V., 2017, Simulation-based design of waste heat utilization system for a data center in campus: Reducing TU/e carbon footprint., MSc thesis, Technische Universiteit Eindhoven.
111. Giskes, Bas 2017. The influence of occupant behavior on the total energy consumption in offices: A case study for the ABT office, MSc thesis, Technische Universiteit Eindhoven.
110. Gonzalez Elizondo, D., 2017, Switchable glazing and static shading elements – Does combined application lead to higher energy and comfort performance?
109. Heijst, van Anne, 2017. Analyzing the performance gap by identifying its causal factors and quantifying their individual impacts for Energy Performance Contracts, MSc thesis, Technische Universiteit Eindhoven.

108. Karssies, W., 2017. Optimization work ow regarding daylighting, energy and glare, for performance assessment of new generation semi-transparent photovoltaic façades.
107. Kooi, L., 2017. Extending indoor climate quality assessment in office buildings: Evaluation of local thermal environment data and occupant percep on in long-term monitoring.
106. Murino, A., 2017. Occupant Behavior in identical residential buildings: Occupancy profiles extraction and application to building performance simulation.
105. Patron Hernandez, Alfredo, 2017. Powering Data Centers with Renewable Energy: Simulation-based design of an on-site System for a TUE Case Study.
104. Plas, Jesse, 2017. Comparative assessment of ventilative and mechanical cooling for residential zero energy buildings considering future climate.
103. Ren, Y. 2017, Design optimization of Dutch single-family houses taking into account energy flexibility., MSc thesis, Delft University of Technology.
102. Sav, S. 2017, Performance assessment of shade screen with night time insulation considering higher complexity occupant behavior models, MSc thesis (partly), Istanbul Technical University, Turkey.
101. Snoeren, Robert, 2017, Enhancing design support of zero energy buildings by using sensitivity analysis and visualisation methods.
100. Verduijn, D., 2017, The assessment of district retrofit configurations to reduce the CO2 emissions of an industrial park in 's-Hertogenbosch, MSc Thesis. Technische Universiteit Eindhoven.
99. Carvalho, L.F., 2016, District Heating Systems: The effect of building model complexity on heat demand prediction, MSc thesis, University of Lisbon, Portugal
98. Eck, van R. 2016. Occupants influence on building energy performance simulation.
97. Enk van E.E.E, 2016. Guidelines for selecting the 'fit-for-purpose' model complexity regarding building energy performance prediction, MSc Thesis. Technische Universiteit Eindhoven.
96. Fu, J., 2016, Exploring the Interaction between nZEB and Electric Vehicle, MSc thesis, Technische Universiteit Eindhoven
95. Hofstede, J.M., 2016, Reducing power peaks from renewable energy sources on the grid connection, MSc thesis, Technische Universiteit Eindhoven
94. Kanavas, N., 2016, Daylight Performance Simulation of an Innovative Multifunctional Transparent Building-Integrated CPV Solar Panel, MSc thesis, Technische Universiteit Eindhoven
93. Lazauskas, M. 2016 Heating and Cooling with Air Source Heat Pump and Air Handling Unit system for mobile temporary Tiny House clusters.
92. Lopes Alves Homem, J.T., 2016, Dynamic Insulation as a strategy for Net-Zero Energy Buildings, MSc thesis, Technische Universiteit Eindhoven
91. Nijs, de J.M., 2016, Inverse modeling of buildings with floor heating and cooling systems, MSc thesis, Technische Universiteit Eindhoven
91. Peeters, B.P.A. 2016, The feasibility of a multivariate performance based design approach, MSc Thesis, Technische Universiteit Eindhoven w/Walter & Dros.
90. Roberz, F., 2016, Energy Aspects and Indoor Climate Performance of Ultra-Lightweight Concrete, MSc thesis, Technische Universiteit Eindhoven
89. Sande, R.J.P. van de., 2016, Consulting housing corporations using the Cost Optimality method, MSc thesis, Technische Universiteit Eindhoven
88. Song, Y., 2016, Influence of the occupant behavior on building energy performance: a case study of Heijmans ONE residence, MSc thesis, Technische Universiteit Eindhoven

87. Steen, J.M., 2016, The assessment of the in-use performance of an innovative climate system, MSc thesis, Technische Universiteit Eindhoven
86. Tanuwijaya, F., 2016, Multi Objective Retrofitting Package Assessment for Multi-Residential Social Housing by Woonbedrijf□, MSc thesis, Technische Universiteit Eindhoven
85. Tran, C., 2016, Model-based assessment of cost-effective retrofit solutions for a district heating system extension, MSc thesis, Technische Universiteit Eindhoven
84. Voert, G.A. ter, 2016, Temperature regulation of a lecture room with limited HVAC capacity using Model Predictive Control for improving thermal comfort and energy performance□, MSc thesis, Technische Universiteit Eindhoven
83. Armenta Gallegos, Sergio, 2015, Energy Flexibility using Thermally Activated Building Systems, Technische Universiteit Eindhoven
82. Batista, Fabio, 2015, Analysis of a district energy system containing centralized thermal storage, University of Lisbon, Portugal
81. Bischoff, Joep, 2015, HOTEL AMSTELKWARTIER - Towards nearly-Zero Energy Hotel by applying Renewable Energy Technology, Technische Universiteit Eindhoven w/Wolter & Dros
80. Bouwens, Erik, 2015, Ventilative cooling potential in low-energy dwellings (HoTT), Technische Universiteit Eindhoven
79. Bron, Maaïke, 2015, Energy neutral house - design process with/out use of simulation tools, Technische Universiteit Eindhoven
78. Dijkstra, Dirk, 2015, Ventilation efficiency in an L-shaped room, Technische Universiteit Eindhoven
77. Jacobs, Daan, 2015, Analyzing the match between energy production and consumption in Net-Zero Energy Buildings: A multi-physics approach using Modelica, Technische Universiteit Eindhoven
76. Kemme, Paul, 2015, Building Portfolio Analysis and Benchmarking for Estimating Energy Saving Potential, Technische Universiteit Eindhoven w/Strukton Workspere
75. Leitao, Andre, 2015, Evaluation of the performance of a real building - Vertigo, University of Lisbon, Portugal
74. Mohan, Vinith, 2015, Operational energy performance assessment and benchmarking of TU Eindhoven campus 2020 buildings, Technische Universiteit Eindhoven
73. Pimentel, Tomas, 2015, District heating systems: case study development using Modelica, University of Lisbon, Portugal
72. Schie, Frank van, 2015, Guiding the Cloud: Optimizing the Total Energy Consumption and CO2 Emissions by Distributing IT Workload Among Worldwide Dispersed Data Centers, Technische Universiteit Eindhoven
71. Spruijt, Tjeerd, 2015, Supporting the Eindhoven University of Technology to reach thermal energy balance at the campus 2020, Technische Universiteit Eindhoven
70. Straten, Sjors v.d., 2015, Operational building performance information for innovative buildings, Technische Universiteit Eindhoven
69. Wackers, Pieter, 2015, Assessment of Performance Risks in Large Atria, Technische Universiteit Eindhoven
68. Al Koussa, Jad., 2014, Computational virtual testbed for building integrated renewable energy solutions, Technische Universiteit Eindhoven
67. Andresova, Eliska, 2014, Low energy dwelling - robust indoor environment?, Czech Technical University in Prague
66. Laarhoven, J. van., 2014, Design decision support for thermally activated building systems with geothermal storage, Technische Universiteit Eindhoven
65. Pruïssen, R. van. 2014, Sustainable geothermal power, MSc thesis, Technische Universiteit Eindhoven

64. Soons, Frank., 2014, De-central energy production in the built environment, Technische Universiteit Eindhoven
63. Yan, Jian., 2014, Renewable energy systems for data centres, Technische Universiteit Eindhoven
62. Zhang, Charlotte., 2014, Solarswing electric, Technische Universiteit Eindhoven
61. Kemenade, P. van., 2013, Building comfort performance assessment using a monitoring tool, Technische Universiteit Eindhoven
60. Blok, J. 2013, Real performance - in situ performance analysis of a passive house renovation project, , Technische Universiteit Eindhoven
59. Demir, O. 2013, Energy efficiency of green certified buildings, Technische Universiteit Eindhoven
58. Kanellis, M. 2013, Intelligent shading control and operation, Technische Universiteit Eindhoven
57. Archontiki, M. 2013, Applicability of innovative facade solutions to existing buildings and potential energy savings, Technische Universiteit Eindhoven
56. Li, K. 2013, Integration of HVAC and LED based luminaries, Technische Universiteit Eindhoven
55. Qiao, Z. 2013, Computational optimization of annual energy balance in ground coupled building systems, Technische Universiteit Eindhoven
54. Rigopolous, P. 2013, Building integrated adaptive thermal storage systems, Technische Universiteit Eindhoven
53. Yang, Y. 2013, Computational optimization of TABS systems in ground-coupled HVAC systems, Technische Universiteit Eindhoven
52. Dronkelaar, C. van. 2013, Underground buildings, Technische Universiteit Eindhoven
51. Kasinalis, C. 2013, Long-term adaptation in climate adaptive building shells. Design and performance assessment, Technische Universiteit Eindhoven
50. Chen, C.M. 2012, A multi-agent system for controlling multiple comfort aspects, Technische Universiteit Eindhoven
49. Goch, T.A.J. van. 2012, The computational optimization of heat exchange efficiency in stack chimneys, Technische Universiteit Eindhoven
48. Haak, A.J.C. 2012, Climate change and heat stress in buildings: evaluation of adaptation measures, Technische Universiteit Eindhoven
47. Hissel, T.M.K. 2012, Case-study on the application of building HVAC performance analysis and fault detection using ABCAT, Technische Universiteit Eindhoven
46. Li, Z. 2012, Learning from real buildings - building performance evaluation and improvement: a case-study, Technische Universiteit Eindhoven
45. Cademartori, E. 2011, Energetic Efficiency in the Brazilian Built Environment. Retrofitting strategies for a hotel in Goi ni, Politecnico di Torino
44. Harten, Marjon van. 2011, Influence of asymmetric radiation field on human thermal comfort, Technische Universiteit Eindhoven
43. Hellenberg Hubar, J. van. 2011, Design concept for optimizing the renewable micro generation technologies to supply an off-grid community energy demand: a case study with simulation model in The Netherlands, Technische Universiteit Eindhoven
42. Knaap, A. van der. 2011, Building performance simulation to support building energy regulation: a case study for residential buildings in Brazil, Technische Universiteit Eindhoven
41. Krikke, T. 2011, Assessment tools for sustainable district development, Technische Universiteit Eindhoven
40. Mierlo, B. P.v. 2011, Coupled thermal solar collector and heat pump simulation for improved system performance, Technische Universiteit Eindhoven
39. Sakellariou, F. 2011, Model predictive control for thermally activated building systems, Technische Universiteit Eindhoven

38. Sigalas, G. 2011, Computational optimization of passive use of phase change materials in lightweight low-energy houses, Technische Universiteit Eindhoven
37. Singaravel, S. 2011, Building performance simulation for steering the research and development of liquid crystalline window, Technische Universiteit Eindhoven
36. Timmers, S. 2011, Design guidelines to prevent draught, Technische Universiteit Eindhoven
35. Mors, S. ter. 2010, Adaptive thermal comfort in primary school classrooms. Creating and validating PMV based comfort charts, Technische Universiteit Eindhoven
34. Heijden, M.G.M. v.d. 2010, Heat and smoke removal in semi open car parks, Technische Universiteit Eindhoven
33. Poortvliet, R. 2010, Comparison of ventilation strategies for open plan office buildings, Technische Universiteit Eindhoven
32. Tuip, B.G.C.C. 2010, User based fault detection on building level, Technische Universiteit Eindhoven
31. Ree, L.F. v. 2010, Building performance evaluation of newly built greenhouse residences in terms of heating energy and thermal comfort, Technische Universiteit Eindhoven
30. Gontikaki, M. 2010, Optimization of a solar chimney to enhance natural ventilation and heat harvesting in a multi-storey office building, Technische Universiteit Eindhoven
29. Velzen, S.J. v. 2010, Greenhouse residence - feasibility of greenhouse residence concept for renovation, Technische Universiteit Eindhoven
28. Baharvand, E. 2010, How to model a wall solar chimney? Complexity and predictability, Technische Universiteit Eindhoven
27. Pluijm, W.M.P. v.d. 2010, The robustness and effectiveness of mechanical ventilation in airtight dwellings, Technische Universiteit Eindhoven
26. Loonen, R.C.G.M. 2010, Climate adaptive building shells - What can we simulate?, Technische Universiteit Eindhoven
25. Houben, J.V.F. 2010, Computation innovation steering - simulation-assisted performance improvement of innovative buildings and systems, Technische Universiteit Eindhoven
24. Rietkerk, J. 2010, Flexibility and concrete core conditioning - synonyms or contradiction?, Technische Universiteit Eindhoven
23. Crujjs, I. van de. 2009, Thermisch geactiveerde vloeren in woningen - een onderzoek naar de toepassing en advisering van vloerverwarming / -koeling en betonkernactivering in woningen, Technische Universiteit Eindhoven
22. Deursen, J. van. 2009, Designing buildings with less load on earth's environment (with buildings in the Netherlands, Germany and England as examples), Technische Universiteit Eindhoven
21. Evers, J.E.J. 2009, Robustheid voor klimaatvariaties - vergelijking van klimatiseringsconcepten met behulp van gebouwsimulatie, Technische Universiteit Eindhoven
20. Marijt, R. 2009, Multi-objective robust optimization algorithms for improving energy consumption and thermal comfort of buildings, University of Leiden
19. Trcalek, P. 2009, Simulation of concrete core activation system/ Salave vytapeni a chlazení s akumulací hmotou, Czech Technical University in Prague
18. Hegeman, S.T.G.D. 2008, Smoke movement in fire situations - CFD utilization in car park Fleeerde, Technische Universiteit Eindhoven
17. Brake, J. v.d. 2008, Old technology for new buildings, a study on earth-to-air heat exchangers, Technische Universiteit Eindhoven
16. Giesen, B.J.M. v.d. 2008, Beheerste stromingen in grote ruimten - de werking en optimalisatie van een stuwdrukventilator, Technische Universiteit Eindhoven

15. Penders, S.H.A. 2008, Beheerste stromingen in grote ruimten - de werking van een stuwdrukventilator toegepast op een praktijkcase, Technische Universiteit Eindhoven
14. Vaan, C. d. 2007, Wat is duurzaam wonen? Een onderlinge vergelijking tussen verschillende duurzaamheidsindicatoren, Technische Universiteit Eindhoven
13. Heijkant, S. A. M. v. d. 2007, Luchtstromingen in de operatiekamer - modelleren en meten, Technische Universiteit Eindhoven
12. Hoes, P. 2007, Gebruikersgedrag in gebouwsimulaties - van eenvoudig tot geavanceerd gebruikersgedragmodel, Technische Universiteit Eindhoven
11. Dusee, P. E. R. 2005, Energy saving in office buildings. Which energy behaviours can play an important role in energy saving within office buildings?, Technische Universiteit Eindhoven
10. Vreenegoor, R. 2005, Energie- en comfortadvies aan toekomstige bewoners van zelfontworpen woningen; een koppeling tussen iBuild en de IWCS, Technische Universiteit Eindhoven
9. Altavilla, F. & Vicari, B. 2004, Strumenti informatici per la progettazione energetica degli edifici, Politecnico di Torino
8. Hoof, J. v. 2004, Should thermal comfort evaluation standards be changed in the Netherlands? - Critical analysis of methods proposed to improve European and North-American standards, Technische Universiteit Eindhoven
7. Dunovska, T. 1995, Computer simulation application for energy building performance, Czech Technical University in Prague
6. Donk, M. v. d. 1993, Een onderzoek naar kamerthermostaatregelingen met behulp van computersimulaties, Technische Universiteit Eindhoven
5. Hamelinck, M. J. H. 1993, De toepasbaarheid van verdringsventilatie in kantoren. Algemene ontwerpvoorwaarden en energetische aspecten aan de hand van computersimulaties, Technische Universiteit Eindhoven
4. Copal, W. 1992, Het Temperiersysteem in het Nederlandse Museum, Technische Universiteit Eindhoven
3. Hooijschuur, J.W.M. 1989, Instationair gedrag van gebouw en installatie - twee dimensionaal warmtetransport door een wand achter een radiator, Technische Universiteit Eindhoven
2. Croes, M. E. J. 1988, De invloed van het regelgedrag van een cv-installatie op energieverbruik en luchttemperatuurvariaties + De invloed van de omgevingsparameters op de thermische behaaglijkheid, Technische Universiteit Eindhoven
1. Laan, M. J. v. d. 1987, Het opwarmen van woningen en optimaliseringsregeling, Technische Universiteit Eindhoven