

BIBLIOGRAFIA

- Allard, F.: Natural Ventilation in Buildings. James & James Ltd, London, 1998.
- Adelard, L.; Boyer, H.; Garde, F.; Gatina, J.C.: A detailed weather data generator for building simulations. Energy and Buildings 31: 75-88, 2000.
- Adelard, L.; Thierry, M.; Boyer, H.; Gatina, J.C.: Elaboration of a New Tool For Weather Data Sequences Generation. Building Simulation '99. Proceedings of the 6th International IBPSA Conference, Volume 2: 861-86, Kyoto, 1999.
- ASHRAE: Handbook of Fundamentals, American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc. Atlanta, 1997.
- ASHRAE: Ventilation for Acceptable indoor air quality. ANSI/ASHRAE Standard 62, 1989.
- ASTM: Standard Practice for Thermographic Inspection of Insulation Installations in Envelope Cavities of Frame Buildings. Standard C 1060 - 90. Annual Book of ASTM Standards, Volume 04.06, West Conshohocken, 1999.
- ASTM: Standard Test Method for Determining Air Change in a Single Zone by Means of a Tracer Gas Dilution. Standard E 741 - 00. Annual Book of ASTM Standards, Volume 04.11, West Conshohocken, 2005.

- ASTM: Standard Test Methods for Determining Airtightness of Buildings Using an orifice Blower Door. Standard E 1827 - 96. Annual Book of ASTM Standards, Volume 04.11, West Conshohocken, 1999.
- ASTM: Standard Practice for Determining Thermal Resistance of Building Envelope Components from the In-Situ Data. Standard C 1155 - 95. Annual Book of ASTM Standards, Volume 04.11, West Conshohocken, 1999.
- Augenbroe, G.: Trends in building simulation. *Building and Environment* 37: 891-902, 2002.
- Baker, N.; Fanchiotti, A.; Steemers, K.: *Daylighting in Architecture: A European Reference Book*. James & James Ltd, London, 1993.
- Balaras, C.A.; Droutsas, K.; Dascalaki, E.; Kontoyiannidis, S.: Deterioration of European apartment buildings, *Energy and Buildings* 37, pag. 515-527, 2005.
- Balaras, C.A.; Droutsas, K.; Dascalaki, E.; Kontoyiannidis, S.: Heating energy consumption and resulting environmental impact of European apartment buildings. *Energy and Buildings* 37: 429-442, 2005.
- Beausoleil-Morrison, I.; Calla, R.; Mottillo, M.; Purdy, J.; Wyndham-Wheeler, P.; Lopez, P.; Dubrous, F.; Lubun, M.: Using Building Simulation to Support an Energy-Efficient Incentive Programme. Seventh International IBPSA Conference, Rio de Janeiro, Brazil, August 2001.
- Ben-Nakhi, A.: Development of an integrated dynamic thermal bridging assessment environment. *Energy and Buildings* 35: 375-382, 2003.
- Bruntland, G.: *Our common future: The World Commission on Environment and Development*. Oxford University Press, Oxford, 1987.
- Buhl: DOE-2 Weather Processor. LBNL Simulation Research Group. 1999.
- Carlo, J.; Ghisi, E.; Lamberts, R.: The use of Computer Simulation to establish Energy Efficient parameters for a Building Code of a city in Brazil. Eighth International IBPSA Conference, Eindhoven, Netherlands, August 2003.
- Carrilho da Graça, G.; Chen, Q.; Glicksman, L.R.; Norford, L.K.: Simulation of wind-driven ventilative cooling systems for an apartment building in Beijing and Shanghai. *Energy and Buildings* 34: 1-11, 2001.
- Cetiner, I.; Ozkan, E.: An approach for the evaluation of energy and cost efficiency of glass façades. *Energy and Buildings* 37(6): 673-684, 2005.

- Citherlet, S.; Hand, J.: Assessing energy, lighting, room acoustics, occupant comfort and environmental impacts performance of building with a single simulation program. *Energy and Environment* 37: 845 - 856, 2002.
- Clarke, J.A.; Conner, S.; Fujii, G.; Geros, V.; Jóhannesson, G.; Johnstone, C.M.; Karatasou, S.; Kim, J.; Santamouris, M.; Strachan, P.A.: The role of simulation in support of Internet-based energy services. *Energy and Buildings* 36: 837-846, 2004.
- Dear, R.; Brager, G.S.: Thermal comfort in naturally ventilated buildings: revisions to ASHRAE Standard 55. *Energy and Buildings* 34(6): 549-563, 2002.
- DGGE: A Energia, os Recursos Geológicos e a Economia - Balanços Energéticos 1990 - 2003, Direcção Geral de Geologia e Energia, Publicação On-Line, ver URL: <http://www.dgge.pt>.
- Dias de Castro, M.: Resumo Teórico de Térmica de Edifícios, Apontamentos da Disciplina de Térmica de Edifícios, Curso de Eng.ª Mecânica, FEUP, 2000.
- Donn, M.: Tools for quality control in simulation. *Building and Environment* 36: 673-680, 2001.
- Ecobuild Version 1.0: Fundamentals of Building Physics. Horsens Polytechnic, Horsens, Denmark, 2001.
- Educadores por la sostenibilidad: Compromiso por unha educación para a sostenibilidad. *Revista Eureka sobre Enseñanza y Divulgación de las Ciencias*, Volume 1, número 3, Setembro 2004.
- Energy efficiency policies and indicators: World Energy Council, London, UK, October 2001.
- European Commission: On the Energy Performance of Buildings, Directive 2002/91/EC of the European Parliament and of the Council, Official Journal of the European Communities, December 2002.
- European Commission: Directorate General XVII for Energy, A Green Vitruvius: Principles and Practice of Sustainable Architectural Design, James & James, London, 1999.
- Eyckmans, J.; Cornillie, J.: Efficiency and Equity in the EU Burden Sharing Agreement; Katholieke Universiteit Leuven, Centrum voor Economische Studiën, Energy, Transport and Environment, 2002.

- Ezzati, M.; Kammen, D.: Household Energy, Indoor Air Pollution, and Health in Developing Countries: Knowledge Base for Effective Interventions. *Annual Review Energy and Environment* 27: 233-270, 2002.
- Fanger, P.O.; Ipson, B.M.; Langkilde, G.; Olesen, B.W.; Christensen, N.K.; Tanabe, S.: Comfort limits for asymmetric thermal radiation. *Energy and Buildings* 8: 225-236, 1985.
- Fanger, P.O.; Toftum, J.: Extension of the PMV model to non-air-conditioned buildings in warm climates. *Energy and Buildings* 34: 533-536, 2002.
- Fanger, P.O.; Bahhidi, L.; Olesen, B.W.; Langkilde, G.: Comfort limits for heated ceilings. *ASHRAE Trans.* 86(2): 141-156, 1980.
- Fanger, P.O.: *Thermal Comfort*. Robert E. Krieger Publishing Company, Malabar, Finland, 1982.
- Freitas, V.: *Isolamento Térmico de Fachadas pelo Exterior - Reboco Delgado Armado sobre Poliestireno Expandido - ETICS*. Relatório - HT 191A/02, Optiroc Portugal - Cimentos e Argamassas, Lda., Porto, 2002.
- Freitas, V.; Pinto, M.: *Metodologia para a Selecção Exigencial de Isolantes Térmicos*. Nota de Informação Técnica - NIT.001 - LFC/FEUP, Porto, 2000.
- Freitas, V.; Pinto, P.: *Permeabilidade ao Vapor de Materiais de Construção*. Nota de Informação Técnica - NIT.002 - LFC/FEUP, Porto, 2000.
- Ghisi, E.; Tinker, J.: An Ideal Window Area concept for energy efficient integration of daylight and artificial light in buildings. *Building and Environment* 40: 51-61, 2005.
- Givoni, B.: *Climate considerations in building and urban design*. Van Nostrand Reinhold, New York, 1998.
- Glicksman, L.R.; Norford, L.K.; Greden, L.V.: Energy Conservation in Chinese Residential Buildings: Progress and Opportunities in Design and Policy, *Annual Review. Energy Environment*, 26 pag. 83-115, 2001.
- Gonçalves, H.; Joyce, A; Silva, L.: *FORUM – Energias Renováveis em Portugal - Uma Contribuição para os Objectivos de Política Energética e Ambiental*. ADENE / INETI, Lisboa, 2002.
- Goodhew, S.; Griffiths, G.: Sustainable earth walls to meet the building regulations, *Energy and Building* 37 pag. 451-459, 2005.

- Green Design Tools: VisualDOE 3.0 Program Documentation. Eley Associates, San Francisco, 2001
- Heim, D.; Clarke, J.A.: Numerical modeling and thermal simulation of PCM-gypsum composites with ESP-r. *Energy and Buildings* 36: 795-805, 2004.
- Hensen, J.; Nakahara, N.: Energy and building performance simulation: current state and future issues, *Energy and Building* 33, 2001.
- Huang, J.; Deringer, J.; Krarti, M.; Masud, J.: The Development of Residential and Commercial Building Energy Standards for Egypt. *Proceedings of Energy Conservation in Buildings Workshop, Kuwait, December 2003.*
- Hui, S.; Cheung, K.P.: Multi-year (MY) simulation: is it useful and practical?. In *Proceedings of the Building Simulation '97 Conference, Prague, Czech Republic, September 8-10, 1997.*
- Humphreys, M.A.; Nicol, J.F.: The Validity of ISO-PMV for predicting comfort votes in every-day thermal environments. *Energy and Buildings* 34: 667-684, 2002.
- IEA 2002 Energy Balances: IEA Energy Statistics, International Energy Agency, Publicação On-Line, ver URL: <http://www.iea.org/Textbase/stats/>.
- ISO Standard 7730: Moderate Thermal Environments - Determination of the PMV and PPD Indices and Specifications of the Conditions for Thermal Comfort, International Organization for Standardization, Geneva, 1994.
- ISQ: Térmica dos Edifícios. Instituto de Soldadura e Qualidade, Oeiras, 2000.
- John, G.; Clements-Croome, D.; Jeronimidis, G.: Sustainable building solutions: a review of lessons from the natural world. *Building and Environment* 40: 319-328, 2005.
- Judkoff, R.; Neymark, J.: International Energy Agency Building Energy Simulation Test (BESTEST) and Diagnostic Method. National Renewable Energy Laboratory, Colorado, 1995.
- Kalogirou, S.A.: Generation of typical meteorological year (TMY-2) for Nicosia, Cyprus. *Renewable Energy* 28: 2317-2334, 2003.
- Karlsson, J.; Roos, A.; Karlsson, B.: Energy performance indoor environmental quality retrofit - a European diagnosis and decision making method for building refurbishment. *Energy and Buildings* 31: 97-101, 2000.
- Khedari, J.; Yamtraipat, N.; Pratintong, N.; Hirunlabh, J.: Thailand ventilation comfort chart. *Energy and Buildings* 32: 245-249, 2000.

- Kindangen, J.I.: Window and roof configurations for comfort ventilation: A study modeling the Influence of design elements and passive design to improve ventilation in tropical conditions. *Buildings Research and Information*, 25(4), 1997.
- Koinakis, C.J.: Combined thermal and natural ventilation modeling for long-term energy assessment: validation with experimental measurements. *Energy and Buildings*, 37: 311 - 323, 2005.
- Krieder, J.; Rabl, A.: *Heating and Cooling of Buildings - Design for Efficiency*, Mechanical Engineering Series. McGraw-Hill International Editions, 1994.
- Laine, T.; Reinikainen, E.; Liljeström, K.; Karola, A.; Granlund O.; Oy: Integrated LCA-Tool for Ecological Design. Seventh International IBPSA Conference, Rio de Janeiro, Brazil, August 2001.
- Lanham, A.; Gama, P.; Braz, R.: *Arquitetura Bioclimática – Perspectivas de inovação e futuro*. Seminários de Inovação, Instituto Superior Técnico, Universidade Técnica de Lisboa, 2004.
- Leandro, M.: *Arquitetura bioclimática*. Publicação disponível na Internet em: <http://www.arquiteturabioclimatica.info/>.
- Liebich, T.: Highlights of the Development Process of Industry Foundation Classes. International Alliance for Interoperability - Industry Day, Old Town, Alexandria, May 2003.
- Lundin, M.; Andersson, S.; Östin, R.: Further validation of a method aimed to estimate building performance parameters, *Energy and Building*, 2005.
- Majoros, A.; Habil, Dr.: *Basic Artificial Lighting for Architects*. Lecture note, Technical University of Budapest, Faculty of Architecture, Department of Building Energetics and Service System, Budapest, 1997.
- Majoros, A.; Habil, Dr.: *Basic Daylighting for Architects*. Lecture note, Technical University of Budapest, Faculty of Architecture, Department of Building Energetics and Service System, Budapest, 1998.
- Maldonado, E.; Afonso, C.: *Projecto Passys: Um Laboratório de Ensaio Térmico de Componentes de Edifícios*. VI Congresso Ibérico de Energia Solar: 158-166. Lisboa, 1994..
- Martínez, P.J.; Velázquez, A.; Viedma, A.: Performance analysis of a solar energy driven heating system. *Energy and Buildings*, in press, 2005.

- McCullough, E.; Jones, B.W.: A comprehensive data base for estimating clothing insulation. IER Technical Report 84-01, Institute for Environment Research, Kansas State University, Manhattan, Kansas, 1984.
- Mendonça, P.J.: Habitar sob uma Segunda Pele: Estratégias para a Redução do Impacto Ambiental de Construções Solares Passivas em Climas Temperados. Dissertação de Doutoramento. Universidade do Minho. Guimarães, 2005.
- Mitjá, A.; Esteve, J.; Escobar, J.: Estalvi d'energia en el desseny d'edificis. Generalitat de Catalunya / Departament d'Indústria e Energia, Barcelona, 1986.
- Monteiro, A.: Da Serra do Pilar com vista para o aquecimento global. UPorto - Revista dos Antigos Alunos da Universidade do Porto 16 pag. 22-25, 2005.
- Natural Resources of Canada – NRC: Commercial Building Incentive Program, Screening Tool. Ferramenta disponível na Internet em: <http://cbipscreen.nrcan.gc.ca/>.
- Ngowi, A.B.: A hybrid approach to house construction - a case study in Botswana. Building Research & Information 25(3), 1997.
- Nicol, J.F.; Parsons, K.: Special issue on thermal comfort standards. Energy and Buildings 34: 529-532, 2002.
- Nicol, J.F.; Humphreys, M.A.: Adaptive thermal comfort and sustainable thermal standards for buildings. Energy and Buildings 34: 563-572, 2002.
- Papamichael, K.: Green building performance prediction / assessment. Building Research & Information 28(5/6): 394-402, 2000.
- Parris, T.M.; Kates, R.W.: Characterizing and Measuring Sustainable Development. Annual Review Energy and Environment, 28: 559 - 586, 2003.
- Pedrini, A.; Lamberts, R.: Methodology For Building Modeling and Calibration For Warm Climates. Seventh International IBPSA Conference, Rio de Janeiro, Brazil, August 2001.
- Pedrini, A.; Lamberts, R.: Treinamento para o Programa VisualDOE 3. Laboratório de Eficiência Energética das Edificações, Universidade Federal de Santa Catarina, Florianópolis, Brazil, 2003.
- Pfafferott, J.; Herkel, S.; Jäschke, M.: Design of passive cooling by night ventilation: evaluation of a parametric model and building simulation with measurements. Energy and Buildings 35: 1129-1143, 2003.

- Pina dos Santos, C.A.; Vasconcelos de Paiva, J.A.: Coeficientes de Transmissão Térmica de Elementos da Envolvente dos Edifícios. Laboratório Nacional de Engenharia Civil. Lisboa, 1990.
- PNAC - Plano Nacional para as Alterações Climáticas. Comissão para as Alterações Climáticas, Versão 2001.
- RCCTE - Regulamento das Características de Comportamento Térmico dos Edifícios, Fevereiro, 2005.
- Resolução do Conselho de Ministros n.º 119/2004, Aprova o Programa Nacional para as Alterações Climáticas. Presidência do Conselho de Ministros, Diário da República I Série B, 2004
- Roulet, C. A. : " Role of ventilation ". LESO-PB, Ecole Polytechnique Fédérale de Lausanne, CH 1015 Lausanne, Switzerland.
- RSA - Regulamento de Segurança e Acções para Estruturas de Edifícios e Pontes. Decreto-Lei Nº 235/83 de 31 de Maio.
- RSECE - Regulamento dos Sistemas Energéticos e de Climatização dos Edifícios, Fevereiro, 2005.
- Sabady, P.: The Solar House. Helion Verlag, Zurique, 1979.
- Santos, A.: A iluminação Natural na Perspectiva da Reabilitação das Construções. Curso de Mestrado em Engenharia Civil, Universidade do Minho, Guimarães, 2000.
- Santos, A.: A iluminação Natural na Perspectiva da Reabilitação dos Edifícios. Curso de Mestrado em Engenharia Civil, Universidade do Minho, Guimarães, 2004.
- SCE - Sistema Nacional da Certificação Energética e da Qualidade do Ar Interior nos Edifícios, Janeiro, 2005.
- Silva, P.; Godinho, N.: Soluções de Reabilitação para Pavimentos de Madeira. Trabalho integrado na Disciplina de Coordenação de Projecto, Mestrado de Engenharia Civil, Universidade do Minho, Guimarães, 2004
- Stritih, U.; Butala, V.: Technical note: Optimization of a thermal storage unit combined with a biomass boiler for heating buildings. Renewable Energy 29: 2011-2022, 2004.
- Teixeira, A.: Energia Solar Passiva – Princípios básicos; Cálculos; Tabelas. Plátano Editora, Lisboa, 1984.

- Tzikopoulos, A.F.; Karatza, M.C.; Paravantis, J.A.: Modeling energy efficiency of bioclimatic buildings, *Energy and Building* 37 pag. 529-544, 2005.
- U.S. Department of Energy: EnergyPlus Energy Simulation Software, 2005. Ficheiros Climáticos de Portugal disponíveis em:
http://www.eere.energy.gov/buildings/energyplus/cfm/weather_data3.cfm/region=6_europe_wmo_region_6/country=PRT/cname=Portugal.
- United Nations: Issues arising in the context of the entry into force of the Kyoto Protocol. UNFCCC Framework Convention on Climate Change, Buenos Aires 6-17 December 2004.
- West, S.: Improving the sustainable development of building stock by the implementation of energy efficient, climate control technologies. *Energy and Environment* 35: 281-289, 2001.
- Westphal, F.S.; Lamberts, R.: The use of simplified weather data to estimate thermal loads of non-residential buildings. *Energy and Buildings* 36: 847-854, 2004.
- de Wilde, P.; van der Voorden, M.: Providing computational support for the selection of energy saving building components. *Energy and Buildings* 36: 749-758, 2004.
- Wit, S.; Augenbroe, G.: Analysis of uncertainty in building design evaluations and its implications. *Energy and Buildings* 34: 951-958, 2002.
- Zmeureanu, R.; Fazio, P.; DePani, S.; Calla, R.: Development of an energy rating system for existing houses. *Energy and Buildings* 29: 107-119, 1999.
- Zweifel, G.; Achermann, M.; Duerig, M.: Building Simulation - some Swiss experiences. Seventh International IBPSA Conference, Rio de Janeiro, Brazil, August 2001.