



Curriculum Vitae

Mantchos Santamouris

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Education:

1986. PhD. on Energy Physics, Physics Department, University of Patras, Greece.

1981 : Postgraduate Diploma, DEA on Energy Physics. Institute National Polytechnique de Grenoble, France.

1979: Diploma Of Physics, Physics Department, University of Patras, Greece.

Professional Experience:

October 2012: Professor, EEWRC, The Cyprus Institute, Cyprus

2010-2012 : President and Director General of the National Greek Center of Energy, CRES

1998- : Invited Visiting Professor. Metropolitan University of London, U.K. Univ Boltzano, Italy, Tokyo Polytechnic University, Cyprus Research Institute

2009 - Today: Professor . Physics Department, University of Athens.

2000 -2009 : Associate Professor . Physics Department, University of Athens.

1994-2000 : Assistant Professor . Physics Department, University of Athens.

1990-1994 : Lecturer Physics Department, University of Athens.

1985-1990 : Participation and Expert to Various Renewable Energies Related Projects. (PASSYS, Building 2000, TOWNSCOPE, Demonstration Energy Projects).

1986-1990 : Professor on Energy Systems and Renewable Energies. Technical Educational Institute of Piraeus, Greece.

1981-1986 : Post Graduate Student. Physics Department of the University of Patras, Greece.

Research Experience:

Coordinator of Major International Scientific Projects

- **PASCOOL Program.** Passive Cooling of Buildings. European Commission, Directorate General for Science Research and Development. (1992-1996).
- **OFFICE Program.** Passive Retrofitting of Office Buildings to Improve Their Energy Performance and Indoor Environment. European Commission, Directorate General for Science Research and Development. (1997-1999).
- **AIOLOS Program.** Preparation of Scientific Material on Natural Ventilation of Buildings. European Commission, Directorate General for Energy, (ALTENER), (1995-1997)
- **POLISTUDIES Program.** Preparation of Scientific Material on the Efficient Use of Energy in the Urban Environment. European Commission, Directorate General for Energy, (SAVE), (1996-1998).
- **BUILT Program.** Educational Network on the Energy Efficiency of Buildings. ALFA Program, European Commission, Directorate General for External Relations, (1995-1998)
- **FOS Program.** Preparation of Scientific Material on the Use of Efficient Lighting and Daylighting in Buildings. European Commission, Directorate General for Energy, (SAVE), (1997-1999)
- **URBANCOOL Program.** Study of Efficient Cooling Techniques for the Urban Environment,, SAVE Program, 1999.
- **FENESTRATION Program.** Study of Advanced Window Systems. SAVE Program, 1999
- **EUROCLASS Program.** Preparation of the European Experimental and Theoretical Methodology for the Energy Rating of Buildings, SAVE Program, 2000
- **SAVE 13 Program.** Preparation of Scientific Material for Distance Learning. SAVE Program, 2001-2004
- **RESET Program.** Use of Renewable Energies for Urban Renewal. ALTENER Program, European Commission, 2002-2004
- **INTERSET Program.** Use of Energy Efficient Technologies for Urban Renewal. SAVE Program, European Commission, 2002-2004
- **Combined Use of Satellite and Ground Data for the study of the thermal environment of urban areas : methodologies and mitigation strategies.** Scientific and Technological Cooperation between NKUA and Lawrence Berkeley Lab, US. Financed by GSRT of Greece, 2006.
- **COOLROOFS :** European Project on the Use of Reflective Materials in Buildings. IEE Program, EU, 2008

Teaching Experience:

- **1981-1986 :** Participation to the teaching of the lesson " New Energy Sources". Physics Department, University of Patras, Greece.
- **1986-1990 :** Teaching of the lesson " Alternative Energy Sources". Technical and Educational Institute of Pireas, Greece.
- **1989 :** Teaching in Energy Seminars of the Common EEC Research Centre, Ispra, Italy.
- **1990-Today :** Teaching of the lesson "New Energy Sources". Physics, Department, University of Athens.
- **1990- 1995 :** Teaching of the lesson " Atmospheric Energy Sources" Post graduate Courses. Physics Department, University of Athens.
- **1995-Today :** Teaching of the lessons " Energy and Environment", and "Indoor Air Quality". Post Graduate Courses, Physics Department, University of Athens.
- **2003-Today :** Teaching of the lesson " Building Physics". Post Graduate Courses, Physics Department, University of Athens
- **1998-2003 :** Teaching of Atmosphere Physics, Department of Mathematics, University of Athens, Greece

- **2003-2005** : Lectures on Urban Environment in the MSc Courses of the NTUA-EMP.
- **2003**. Three Lectures on Urban Microclimate and Energy Performance in the Courses organised by the Association of the European Research Energy Centers in Vienne.
- **2004**. Three Lectures on Urban Microclimate and Renewable Sources in the Courses organised by the Association of the European Research Energy Centers in Athens.
- **2005** Lecture Invitation at the M. Sc. Courses of the Democritian University of Thrace, Greece
- **1993-1997** : Teaching of Energy and Environmental Courses to the European Association for Environmental Management Education, Master's Degree, Athens.
- **2004-Today** : Teaching of Energy and Environmental Courses to the European Master's Degree on Renewable Energies, Athens.
- **1985- Today** : Teaching in various scientific seminars on Energy and Environment topics, (European Commission, Academy of Athens, EMP, Democritos, Union Greek Physicists, Greek Productivity Centre, etc.)

Supervision of PhDs

Supervisor of 9 finished Ph.D's at the Physics Department of the University of Athens. Two of the Ph.D students are now Full and Assistant Professors at the Universities of Ioannina and Thessaly, Greece. Also two other are senior researchers at the National Observatory of Athens.

Main Supervisor of three finalised Ph. D's; at the Institut National des Sciences Appliquees, Lyon, France, (M. Bruyant, V. Geros and M. Assimakopoulos). The later is now Lecturer at the University of Athens.

Co-Supervisor of a Ph.D. at Oxford Brookes University, 2007

Co – Supervisor of a Ph. D at Brunel University, UK, 2008

Co – Supervisor of a Ph. D at FEUP-Porto, MIT Portugal Program

Co-Supervisor of two Ph.D students at the University of Ioannina.

Co –Supervisor in the Master's Program, Uni. Colima, Mexico

Supervisor of three Ph'D's at the Physics Department of the University of Athens

Member of the Supervision Committee of many Ph'D in the University of Athens, University of Patras and University of Ioannina.

External Examinor of Ph.D's at the following Universities : Ecole National des Travaux Publique de l' Etat, Lyon, France,

(Five Ph.D's , 1998-2005), Institute Nationale Sciences Appliquees, Lyon, France, (Four Ph.D's, 1996-2006), Brunel University, UK, 2001, University of La Rochelle, France, (2 Ph.D's, 2004, 2005) and one Rehabilitation Desertation, 2006, University of Karlshrue, Germany, 2004, EPFL, Lausanne, Switzerland, 2006, Univ. of Gent, Belgium, 2006, National University of Singapore, 2006, 2007, National Technical University Athens (3 Ph.D's, 1999-2006), National Technical University Crete, 2001, University of Patras, (2 Ph. D's), 2003,2004

Management and Administrative experience:

Coordinator of Major International Scientific Projects

President and Director General of the National Greek Center of Energy, CRES

Honours and Achievements:

- Grand Award Professional Green Building Council, PGBC, 2006
- Hong Kong IA Research Award, 2006
- National Energy Globe Award 2006
- Sustainable Energy Europe Award 2007
- Best and Outstanding Paper Award published in Solar Energy Journal during 2005-2006.
- Nominated for The Sir Robert McAlpine International Book Award', London, 1997.

Professional Service and Memberships:

Editor and Member of the Editorial Board of Scientific Journals

- Editor in Chief of the Journal of Advances Building Energy Research, 2006.
- Editor of the 'Energy and Buildings' Journal, 2012- Today
- Associate Editor of the Solar Energy Journal, 2002-Today
- Associate Editor of the International Journal of Low Carbon Technologies, 2010-Today
- Consulting Editor of the J. of Sustainable Energy. Member of the Editorial Board of the same Journal since 1989.
- Associate Editor of the Journal of Physics, 2010-
- Member of the Editorial Board of the "Journal of Ventilation", (1992-Today).
- Member of the Editorial Board of the Journal 'Building and Environment', 2008-
- Member of the Editorial Board of the Annual European Directory of Sustainable and Energy Efficient Building, (1993-Today)
- Member of the Editorial Review Board of the Scientific Journal International, 2007-
- Member of the Editorial Board of the Open Construction and Building Technology Journal'
- Member of the Editorial Board of the International Journal Sustainable Cities and Society
- Member of the Editorial Board of the ISRN Renewable Energies Journal, 2011

Reviewer of Scientific Journals

Reviewer in 53 international Journals

Buildings Environment Journal. Solar Energy Journal, Energy and Buildings Journal. Journal Wind and Industrial Aerodynamics, Journal of Geophysical Research, Journal of Applied Meteorology, International Journal Studia Geophysica and Geodaetica, Journal of Geophysical Research Letters, Journal of Energy, Journal of Solar Engineering, Journal of Energy Research. Journal of Lighting Research and Technology, International Journal of Ventilation, Journal Environment and Pollution, Journal of Sustainable Energy, Journal of Building Services Engineering, International Journal of Environment and Waste Management, Journal of Landscape and Urban Planning, Journal of Advances in Solar Energy, Applied Thermal Engineering Journal, Atmosphaera, Journal of Physics and Natural Sciences, The Open Construction and Building Technology Journal, Building Simulation –An International Journal, Journal of Buildings Performance Simulation, Applied Energy, Resources Conservation and Recycling, Atmospheric Research, ARQ Journal, Global Nest, Scientia Agricola , , Journal Energy Efficiency, Architectural Science Review, Environmental Research Letters, Intelligent Buildings International, International Journal of Thermal Sciences, Sustainable Cities and Society, Technika Chronika, Engineering Applications of Computational Fluid Mechanics, Solar Energy Materials and Solar Cells, International Journal of Photoenergy, Desalination and Water Treatment, Urban Climate, Indoor and Built Environment, International Journal of Environmental Analytical Chemistry, Journal Architectural Engineering, African Journal of Agricultural Research, Scientific Research and Essays, Int. Journal Low Carbon Technologies, Int. J. for Sustainability in Higher Education, Recent Patents in Engineering, Web Journal of Heat Island Institute International, Remote Sensing of Environment.

Evaluator of Scientific Programs and Proposals

- Evaluator of Research and Development Proposals on Energy and Environment, European Commission
- Evaluator of Research and Development Proposals in the US Department of Energy.
- Evaluator of Research Programs, Engineering and Physical Sciences Research Council, UK Government.
- Evaluator of German Research Proposals, German Research Foundation (DFG).
- Evaluator of Research Programs of the Agence Nationale de la Recherche (ANR), France
- Evaluator of Research Programs of the CNRS, France.
- Evaluator of Research Programs Canadian Research Foundation
- Evaluator of Research Programs, The Estonian Science Foundation (ETF), Government of Estonia.-
- Invited Contributor to the National Energy Foresight Program of Germany.
- Evaluator of Research Programs, Republic of Ireland.
- External Reviewer and Evaluator of Research Programs on Energy and Environment, Ministry of Research, Republic of Slovenia.
- Evaluator of Research Programs, University of Luxemburg, Luxemburg,
- Evaluator of Research Programs, Luxembourg National Research Fund (FNR) • Evaluator of Research Programs Swedish Research Council for Environment, 2008
- Evaluator of Research Programs of the Qatar National Research Center.
- Evaluator of Research Programs of the National Research Foundation, Singapore
- Evaluator of Research Programs of the National Research Foundation, Cyprus
- Evaluator of Research Programs of the National Research Foundation, Greece
- Evaluator of Research Programs, Local Government of Piemonte, Italy.
- Evaluator of Research Programs, University of Milano, Italy
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Editor of books

2003- Book Series Editor on Buildings Science and Technology, James and James Science Publishers, London, UK. (4 books published in the Series),

- Energy and Climate in the Urban Environment, (Editor and Co-Author), James and James Science Publishers, London, U.K, 2001. Translated and Published in Chinese, 2008. Nominated by RIBA to achieve the 'The Sir Robert McAlpine International Book Award', London. ""

Editor of Books in Greek:

- Indoor Air Quality, Editor and Co-Author, Ekdosis Sellountos, 2007.
- Ikologiki Domisi, Editor and Author, Ellinika Grammata Publishers, 2000

Presentations and Outreach:

Invited presentations at conferences (last 10 years)

2002:

Invited talk on 'Energy in the Urban Built Environment', European Conference of the International Solar Energy Society, Bologna, Italy. Organised by the International Solar Energy Society (Europe).

Invited talk on 'Comment Ameliorer le Comfort d'ete dans les Batiments Urbaines', Congres AICVF, Lyon, France. Organised by the Association des Ingenieurs de Climatation, Ventilation et Froid.

Invited talk on 'Energy and Environmental Sustainability of Cities – An oxymoron or a Realistic Perspective ?' International Conference Energy Performance Indoor Congress , EPIC, Lyon. Organised by ADEME, CNRS, EEC, and others **2003:**

Invited talk on 'Passive Energy Systems for Buildings', International Workshop on the Energy Efficiency in the Built Environment, Prague. Organised by DG Energy of the EC.

Invited talk on 'Thermal Environment of Buildings', International Conference on Energy and Environment, Lemnos, Greece.

Invited talk on 'Energy in the Built Environment' to the International Conference of CIB, Hungary. Organised by the International Council for Research and Innovation in Building and Construction (CIB)

Invited talk on 'Passive Cooling for Buildings', Conference on Energy Quality of Buildings, Milano Italy. Organised by the Polytechnic of Milan

Invited talk on 'Sustainable Cities – Realistic Targets for an Utopian Subject' International Conference Sun and Glazing : Energy Efficient Strategies for Sustainable Building, Westerloo, Belgium. Organised by the European Green Cities Network.

2004:

Invited talk on 'Renovating Cities Through Renewable Energies' International Conference Architecture, Cities and Energy, Pablona, Spain. Organised by CENER, Renewable Energies National Center, Spain.

2005:

Invited talk on 'Environmental Quality and Passive Cooling of Buildings. International Conference on HVAC, Energy Efficiency of Buildings, Belgrade, Serbia. Οργανώθηκε από Ministry of Science and Environmental Protection of the Republic of Serbia , American Society of Heating, Refrigerating and Air-Conditioning Engineers – ASHRAE, Federation of European Heating and Air-Conditioning Associations – REHVA, International Institute of Refrigeration (IIR)

Invited talk on 'Energy Efficiency and Ambient Quality of Mediterranean Cities', EUROSOLAR Conference, Rome. Organised by Eurosolar.

Invited Lecture on Energy Rating and Classification of Buildings in Southern Europe, International Conference SD-MED, Athens. Organised by Association SD-MED

Invited talk on 'The energy consumption for air conditioning of buildings in Mediterranean climate countries' in the international Workshop Eco-building demand compatibility with polygeneration, Italian Research Institute for Advanced Energy Technologies, Messina, Italy.

2006:

Invited talk on 'Heat Island Research in Europe – The State of the Art, International Workshop on Urban Heat Island, Tokyo, Japan. Organised by the World Energy Association and the Japanese Ministry of Land, Infrastructure and Transport (MLIT)

Invited talk on 'Passive Cooling – The State of the Art' , International Conference on Thermal Comfort, Windsor, UK. Organised by the Network for Comfort and Energy Use in Buildings, UK

Invited talk on 'Energy in the Built Environment – Prospectives for the Mediterranean Area', Bioclimatic International Workshop, Pesaro, Italy. Organised by the Agenzia Per Innovazione in collaboration with Pezaro city in Italy.

Invited talk on 'On the Use of Data Driven and Fuzzy Techniques to Calculate the Wind Speed in Urban Canyons' στο 2nd International Symposium on Evolving Fuzzy Systems, Lancaster, UK.. Organised by IEEE, US and the University of Lancaster, UK

Invited talk on 'Cool Materials to Fight Heat Island' In the. Solar Cities Conference, Oxford, UK, Organised by Solar Cities Network.

Invited talk on 'Energy and environmental quality of the Built Environment in Europe',. Euro ISES International Solar Conference, Glasgow, UK. Organised by International Solar Energy Society (Europe).

Invited talk on 'State of the Art on Alternative Cooling Techniques', XI National Conference on Technology in the Build Environment , Santa Catharina, Brazil. Organised by Associacao National Tecnologia do Ambiente Constuido, Brasil

Invited talk on 'Passive Cooling – The State of the Art' at the International Symposium on Performance Contracting and Energy Efficient Design in Buildings, Kuala Lumpur, Malaysia.

Invited talk on 'Energy in Buildings and Citizenship' at the Seminar on Energy and the Environment, Porto, Portugal. Organised by the Portuguese government in collaboration with the University of Porto.

Invited talk on 'Environmental Quality of Buildings', Conference on Sustainability and Spatial Project, Sassari, Sardinia, Italy. Organised by the University of Sassari, Italy.

Invited talk on 'Energy Efficiency and Environmental Quality in the Mediterranean' at the International Conference 'Mediterranean Cities after Kyoto' Solar Energy Society, Rome. Organised by Eurosolar.

Invited talk on ' Environmental Quality and Energy Efficiency in the Building Sector', in the EPIC 06 – AIVC conference Lyon. Organised by ADEME, CNRS, EEC, AIVC and others **2007:**

Invited talk on 'Cool Cities' , UK – India Workshop on Urban Sustainability, Delhi, India. Organised by the British Council and the government of India.

Invited talk on the 6th International Conference on Sustainable Energy Technologies, Chile. Organised by the Pontificia Universidad Católica de Chile, in collaboration with the Universidad del Bío- Bío and the University of Nottingham

Invited talk on 'Energy in Buildings', International Conference Energy and Ecological Performance of Buildings, Rome. Organised by La Sapienza University, Rome

Invited talk on 'International Conference Heating Ventilation and Air Conditioning in Buildings, Belgrade. Οργανώνεται από Ministry of Science and Environmental Protection of the Republic of Serbia , American Society of Heating, Refrigerating and Air-Conditioning Engineers – ASHRAE, Federation of European Heating and Air-Conditioning Associations – REHVA, International Institute of Refrigeration (IIR)

Invited talk at tge International Symposium on Sustainability in Napoli, Italy. Organised by the Cita de la Scienca. Invited

talk at the international Workshop 'Analysis and Design of Urban Climate' at Tohoku University Sendai Japan **2008:**

Invited talk at the international AIVC Conference, Kyoto, Japan

Invited talk at the international conference SET (Sustainable Energy Technologies), Korea

Invited talk at the international conference Chinese and International Conference on the Use of Renewable Energy Sources, Shenzen, China.

Invited talk at the international conference CIBARQ 2008, Pablona, Spain

Invited talk at the international conference World Renewable Energy Congress, Glasgow, UK

Invited talk at the international Workshop 'Heat Island Mitigation Techniques', San Fransisco, US.

Invited talk at the international conference EUROISES Conference, Lisbon, Portugal Invited

talk at the international conference Solar Summit Conference, Freiburg, Germany **2009:**

Invited talk at the 3rd International Workshop Natural Ventilation, Tokyo

Invited talk at the conference on Advances in Computational Tools for Engineering Applications (ACTEA'09), Faculty of Engineering at Notre Dame University, Lebanon

Invited talk at the conference Renewable Sources towards Climate Change, Tunis, 2009

Invited talk at the 40th International Congress on Heating, Refrigeration and Air-Conditioning, Belgrade, Serbia

Invited talk at the OECD Workshop on "Green Cities: New Approaches to Confronting Climate Change" that will be held in Las Palmas de Gran Canaria

2010:

Invited talk at the international conference "NextBuilding - Advances in next generation building technologies & design, Verona Italy

Invited talk at the European Conference on Energy Efficiency and Sustainability in Architecture and Planning. San Sebastian, Spain

Invited talk at the ^{the} 9 International Conference on Sustainable Energy Technologies (SET2010), China **2011:**

Invited talk at the international conference Energy for Smart Cities, Cascais, Portugal.

Invited talk at the 24th International Union of Architects World Congress, Tokyo, Japan, from September 25 to October 1, 2011.

Invited talk at the 48th ENERGY REHABILITATION OF EXISTING BUILDINGS – WHICH SOLUTIONS FOR AN INTEGRATED SYSTEM: ENVELOPE, PLANT, CONTROL, September 22nd and 23rd, 2011, Baveno, Lake Maggiore

Invited talk at the UK/China Workshop on Smart&Sustainable Cities, Gjuanzu, China Invited talk at the at ISHVAC2911, Nov 6-9 2011 in Shanghai, China.

Invited to talk at the ICLEI European Convention 12-14 September 2011

Invited Keynote speaking slot at the Local Renewables Freiburg 2011 Conference – Green Buildings and Renewable Energy: The Way forward in Urban Development **2012:**

Invited to talk at the 2nd Int Conf on Thermal Sciences conference, AMT'2012 Casablanca 18-19 April 2012

Invited to talk at the 1st World Congress of EnergyWise 2012 (WEW-2012), China

Invited to talk at the Climate Summit in Perugia, Italy.-

Invited to talk at the EWACC2012-Building Bridges Conference, Cyprus

Publications

Editor and Author of Books

•

- Passive Cooling of Buildings, (Editor and Co-Author), James and James Science Publishers, London, U.K, 1997
- Natural Ventilation of Buildings, (Co-ordinator and Co-Author), James and James Science Publishers, London, U.K, 1998. Translated and Published in Chinese, 2008
- Environmental Layout Planning, (Co-Author), BRE Publishers, Garston, UK 1999.
- Energy Rehabilitation of Offices, (Co-Author), James and James Science Publishers, London, U.K, 1999.
- Solar Energy-State of the Art, Co-Author, James and James Science Publishers, London, U.K, 1999.
- City Fights. Co-author, James and James Science Publishers, London, U.K, 1999.
- Costruire Sostenibile il Mediterraneo, Co-Author, ALINEA Publishers, Italy, 2001
- Thermal Analysis and Design of Solar Buildings, Co-Author, James and James Science Publishers, London, 2002
- Solar Thermal Technologies for Buildings – The State of the Art, Editor and Co-Author, James and James Science Publishers, London, 2003
- Ventilation of Buildings, The State of the Art, Editor and Co-Author, James and James Science Publishers, London, 2007
- Energy Rating of Residential Buildings, Editor and Co-Author, James and James Science Publishers, London, 2004
Cooling the City, Editor and Co-Author, Editions des Ecoles des Mines, Paris, Distributed by Eyrolles, France, 2004.
- Natural Ventilation in the Urban Environment, Co-Author, James and James Science Publishers, London, 2005
- Advances in Solar Energy, Co-Author, American Society of Solar Energy, 2005
- Environmental Design of Urban Buildings, Editor and Co-Author, James and James Science Publishers, London, 2005
- Advances in Passive Cooling, Editor and Co-Author, James and James Science Publishers, London, 2006
- Energy and Climate in the Urban Environment, (Editor and Co-Author), James and James Science Publishers, London, U.K, 2001. Translated and Published in Chinese, 2008. Nominated by RIBA to achieve the 'The Sir Robert McAlpine International Book Award', London.
- A Handbook of Sustainable Building Design and Engineering: An Integrated Approach, Co-Editor, Earthscan Publishers, London, 2009
- Air Quality: New Research.", Συμ- Συγγραφέας, NOVA Publishers, NY, 2008
- Advances in the Development of Cool Materials for the Built Environment, Editors : Denia Kolokotsa, Mattheos Santamouris, Hashem Akbari, NOVA Publishers, NY, 2012
- Comprehensive Renewable Energy, Elsevier, 2012, Co-Author
- Co-author of the Book ' Renewable Energy Sources and Climate Change Mitigation – Special Report of the IPCC' Cambridge Press, 2011
- Buildings, Energy and the Environment, University Studio Press, Thessaloniki, 2008, Co- Author

Books in Greek

- Indoor Air Quality, Editor and Co-Author, Ekdisis Sellountos, 2007.
- Ikologiki Domisi, Editor and Author, Ellinika Grammata Publishers, 2000
- Environmental Physics - New Energy Sources. (With I. Tselepidaki and G. Papaioannou). Physics Department, University of Athens, 1992
- Solar Collectors, Greenhouses, Heat Storage. In "Physics of Energy and Environment". Union of Greek Physicists. 1985.
- Potential of Renewable Energy Sources in Greece. (With R. Rigopoulos, M. Vallindras, P. Yiannoulis, K. Diamantaras, G. Masouros, C. Georgalas and I. Tripanagnostopoulos). KEPE Editions, 1988.

Published Papers in Peer Review Journals

- 1 M. Santamouris , R. Rigopoulos and Y. Caouris :Estimating the Atmospheric Ozone Transmission for Solar Radiation Models. *J. Pure and Applied Geophysics*, 121, 4, 633-654, 1983.
- 2 C.C. Lefas and M. J. Santamouris : Application of microcomputers in optimal greenhouse environmental control and resources management. *J. Solar and Wind Technology*, 1, 3, 153-160, 1985.
- 3 M.I. Santamouris, R. Rigopoulos and P. Yianoulis :A Note on an Improved Expression for the Atmospheric CO₂, N₂O, CH₄, and O₂ Integral Transmission Function. *J. Atmosphere-Ocean*, 23,3, 313-316, 1985.
- 4 C.C. Lefas and M. J. Santamouris : Implementation of microcomputers in the control of direct gain passive solar systems. *Int. J. Solar Energy*, 3, 287-303, 1985.
- 5 M. Santamouris and C.C. Lefas : Thermal Analysis and computer control of hybrid greenhouse with subsurface heat storage. *J. Energy in Agriculture*, 5, 161-173, 1986.
- 6 M. Santamouris and C.C. Lefas : Design and control of hybrid solar houses using microcomputers. *J. of Energy*, 11, 7, 709-716, 1986.
- 7 E. Stourna-Trianti, M. I. Santamouris and M. Vallindras : Passive Solar Strategies in Retrofitting Design - The case of a Historic Building in Athens, Greece. *J. Solar and Wind Technology*, 3, 1, 1-11, 1986.
- 8 M. J. Santamouris and R. Rigopoulos: Estimating the atmospheric water vapor transmission for solar radiation models.*J. Solar and Wind Technology*, 4, 2, 211-214, 1987.
- 9 M. J. Santamouris and C.C. Lefas : On the coupling of PCM stores to active solar systems. *Int. J. of Energy Research*, 12, 603-610, 1988.
- 10 Y. G. Caouris, C. Kittas and M. Santamouris : Regional Monthly Estimation of Greenhouse Energy Consumption - Application to Greece. *J. Solar and Wind Technology*, 6,3, 225-233, 1989.
- 11 M. Santamouris and B.D. Katsoulis : Solar Radiation over the northwest part of Greece. *J. Solar and Wind Technology*, 6,1, 79-84, 1989.
- 12 G. Stavrakakis, G. Bitsioris and M. Santamouris : A Nonlinear Dynamic Thermal Regulator for a Paraboloidal Solar Collector. *J. Energy*, 15,6,467-477, 1990
- 13 M. Santamouris, D.Papaioanou, A. Argiriou and G. Stavrakakis : Technical and Economical Comparison between Solar water heaters using electrodeposited chrome selective coating and selective paints. *J. Energy Conversion and Management*, 30, 4, 421-431, 1990.
- 14 M. Santamouris, I. Tselepidaki and N. Dris : Evaluation of models to predict solar radiation on tilted surfaces for the Mediterranean region. *J. Solar and Wind Technology*, 7, 5, 585-589, 1990.
- 15 G. Stavrakakis, G. Kapsiotis and M. Santamouris : Digital Parameter Adaptive Control for a Solar Concentrator. *J. Solar and Wind Technology*, 7, 2/3, 97-105, 1990.
- 16 A. Tombazis, A. Argiriou and M. Santamouris : Performance Evaluation of Passive and Hybrid Cooling Components for a Hotel Complex. *Int. J. Solar Energy*, 9, 1-12, 1990.
- 17 M. Santamouris : Predicting the Spectral Aerosol Transmittance for Solar Radiation Models. *Int. J. Solar Energy*, 10, 1526, 1991.

- 18 M. Santamouris : Predicting the Broadband Aerosol Transmittance for Solar Radiation Models. *Int. J. Solar Energy*, 10, 27-37, 1991.
- 19 I. Tselepidaki and M. Santamouris : Statistical and Persistence analysis of high summer ambient temperatures in Athens for cooling purposes. *J. Energy and Buildings*, 17, 243-251, 1991.
- 20 G. Agas , T. Matsaggos, M. Santamouris and A. Argyriou :On the use of the atmospheric heat sinks for heat dissipation. *J. Energy and Buildings*, 17, 321-329, 1991.
- 21 M. Antinucci, D. Asiain, B. Fleury, J. Lopez, E. Maldonado, M. Santamouris, A. Tombazis and S. Yannas : Passive and Hybrid Cooling of Buildings - State of the Art. *Int. J. Solar Energy*, 11, 3/4, 251-271, 1992
- 22 I. Tselepidaki, M. Santamouris, C. Moustris and G. Pouloupoulou :Analysis of the summer discomfort index in Athens, Greece, for cooling purposes. *J. Energy and Buildings*, 18, 51-56, 1992.
- 23 A. Tzaferis, D. Liparakis, M. Santamouris and A. Argiriou : Analysis of the accuracy and sensitivity of eight models to predict the performance of earth to air heat exchangers. *J. Energy and Buildings*, 18, 35-43, 1992.
- 24 G. Mihalakakou, M. Santamouris and D. Asimakopoulos : Modelling the earth temperature using multiyear measurements. *J. Energy and Buildings*, 19, 1-9, 1992.
- 25 A.I. Dounis, M. J. Santamouris and C.C. Lefas : Implementation of artificial intelligence techniques in thermal comfort control for passive solar buildings. *J. Energy Conversion and Management*, 33, 3, 175-182, 1992.
- 26 C. Balaras, I. Tselepidaki, M. Santamouris and D. Asimakopoulos : Calculations and Statistical Analysis of the Environmental Cooling Power Index for Athens, Greece. *J. Energy Conversion and Management*, 34, 2, 139-146, 1993.
- 27 A. Dounis, M.J. Santamouris and C.C. Lefas : Building Visual Comfort Control with Fuzzy reasoning. *J. Energy Conversion and Management*, 34,1, 17-28, 1993.
- 28 C. Balaras, I. Tselepidaki, M. Santamouris and D. Asimakopoulos : Analysis of thermal comfort conditions in Athens, Greece. *J. Energy Conversion and Management*, 34,4, 281-285, 1993.
- 29 I. Tselepidaki, M. Santamouris and D. Melitsiotis : Analysis of the Summer Ambient Temperatures for Cooling Purposes .*Solar Energy*. 50, 3, 197-204, 1993.
- 30 A. Argiriou, M. Santamouris, C. Balaras and S. Jeter : Potential of Radiative Cooling in Southern Europe. *Int. J. Solar Energy*, 13,189-203,1993.
- 31 M. I. Santamouris : Active Solar Agricultural Greenhouse . The State of the Art. *Int. J. Solar Energy*, Vol. 14, p.p. 19-32, 1993.
- 32 A. Tsinonis, I. Koutsogiannakis, M. Santamouris and I. Tselepidaki : Statistical Analysis of Summer Comfort Conditions in Athens, Greece.*J. Energy and Buildings*, Vol 19, p.p. 285-290, 1993.
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