

Name with titles

Nationality: Greek

Occupation (and Address): Professor.Department of Physics.National and Kapodistrian University of Athens Panepistimioupolis Zografou.

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CV in text form (Education, achievements etc)

Mat Santamouris is Professor of Energy Physics at the University of Athens. He is Associate Editor of the Solar Energy Journal and Member of the Editorial Board of the International Journal of Solar Energy , Journal of Energy and Buildings, Journal of Sustainable Energy, and of the Journal of Ventilation. He is Editor of the Series of Book on Buildings, Energy and Solar Technologies published by James and James Science Publishers in London. He has published 9 international books on topics related to solar energy and energy conservation in buildings. He is guest editor of eight special issues of various scientific journals. He has coordinated many international research programs and he is author of almost 130 scientific papers published in international scientific journals. He is visiting professor at the Metropolitan University of London.

UNIVERSITY EDUCATION

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

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

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

EMPLOYMENT

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

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

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

1986-1990 : Director of the Society for Appropriate Technologies Ltd. Project Manager of many energy conservation and renewable energies projects in Europe and elsewhere.

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

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

1998-Today : Visiting Professor to the School of Architecture, Low Energy Unit, University of North London, U.K.

2000 - 2008 : Associate Professor . Physics Department, University of Athens.

2008 – today: Professor, Physics Department, University of Athens, Greece

OTHER PROFESSIONAL ACTIVITIES

SUPERVISION OF Ph D's

- Supervisor of 9 finished Ph.D's at the Physics Department of the University of Athens. Two of the Ph.D students are now Associate 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 two Ph.D students at the University of Ioannina.

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 Examiner 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 Dissertation, 2006, University of Karlsruhe, 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

EDITOR AND AUTHOR OF BOOKS

- **2003-** Book Series Editor on Buildings Science and Technology, James and James Science Publishers, London, UK. (4 books published in the Series),
 - **International 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.
- 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."
- Construire 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
- Introduction to Complex Built Environments, Editor and co-author, James and James Science Publishers, London, 2008
- Air Quality: New Research.", co-author, NOVA Publishers, NY, 2008, (under publication)
- Buildings, Energy and the Environment, University Studio Press, Thessaloniki, 2008,

- **Books in Greek**

- Indoor Air Quality, Editor and Co-Author, Ekdosis 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.
- **Other Educational Documents**
- Thermal and Visual Comfort of Buildings. (With C. Balaras and E. Daskalaki), In English. Published by the Architectural Association of London, 1993.
- Passive Cooling of Buildings. (With A. Argiriou), In English, Published by the Architectural Association of London, 1993.

Editor of Proceedings of International Conferences

- Proceedings of the PALENC 1 International Conference, Santorini, 2005.
- Proceedings of the EPEQB International Conference, Melos, 2006
- Proceedings of the PALENC 2 International Conference, Crete, 2007

Published Scientific Reports

- G. Clausen, De Oliveira Fernsdes E, De Gids W, Delmotte C, Hanssen S.O., Kephelopoulos S., Lemaire M, Lindvall T, Nicol F, Santamouris M, Seppanen O, Van Den Bogaard C.J, Wilson M, Wouters P : Environment and Quality of Life. ECA Report No. 23: Ventilation, Good Indoor Air Quality and Rational Use of Energy. ECA, ISBN 92-894-5664-7, (2003) - EUR 20741/EN (2003)
- A. Niachou, M. Santamouris and C. Georgakis : Air Flow in the Urban Environment. Technical Note, 87 pages. Published by the Air Infiltration and Ventilation Center, International Energy Agency, Paris, 2007
- M. Santamouris : Energy and Indoor Environmental Quality of Low Income Households. Technical Note, 47

Pages. Published by the Air Infiltration and Ventilation Center, International Energy Agency, Paris, 2007

- Thermal and Visual Comfort of Buildings. (With C. Balaras and E. Daskalaki), In English. Published by the Architectural Association of London, 1993.
- Passive Cooling of Buildings. (With A. Argiriou), In English, Published by the Architectural Association of London, 1993

INVITED LECTURES IN UNIVERSITIES

- 1991** Energy in the Built Environment' Technical University of Budapest, Budapest, Hungary
- 'Energy in the Built Environment' University of Ljubljana. Slovenia.
- 1992 :** 'Energy Physics'. Escuela Superior des Ingenieros Industrialles, Seville, Spain.
- Passive Cooling and Indoor Air Quality, University of Ljubljana
- 1994 :** 'Energy and Buildings' University College of Dublin
- 'Renewable Energies for Buildings' University of Montpellier, France
- 1996 :** 'Building Energy Technology' University of North London, UK
- 'Heat and Mass transfer phenomena in Buildings', Ecole Nationale des Travaux Publiques de l'Etat, Lyon, France
- 1997 :** 'Urban Climate and Energy Consumption', Univ. Longborough, U.K.
- 'Use of Environmental Heat Sinks for Heat Dissipation', Un. Buenos Ayres, Argentina.
- 'Energy and the Built Environment' University of Bari, Italy
- 1999 :** 'Urban Heat Island' University of Oxford Brookes, Oxford, U.K
- The Problematics of Ventilation in Buildings. Indoor Air Quality and Energy, University of Porto, Portugal
- 'Energy in the Urban Environment', Ben Gurion University, Israel
- 2002 :** 'Energy and Environmental Quality of Buildings', Summer School organised by the University of Roma and the International Solar Energy Society, Rome
- 'Passive Cooling of Buildings' Politecnico di Milano, Italy

- 2003 :** 'Energy and Environmental Quality of Urban Areas', Univ. Cambridge, UK,
- 2004 :** 'Heat Island and Air Flow in Urban Areas', Chinese University of Hong Kong.
- 'Energy standards for buildings in Eastern Europe / Energy efficiency and performance of buildings', Summer School on Renewable Energies for Buildings, International Solar Energy Society, Technical University of Prague '
- 2005 :** Energy Rating of Buildings in Southern Climates. Architectural Association of London, Energy Program, UK.
- 'Renewable Energies in Buildings', Univ. Brunel, London. UK.
- 2006 :** 'Passive Cooling of Buildings', και 'Energy Rating of Buildings' University of Singapore, Singapore.
- 'Energy and Environmental Quality of Buildings in Southern Europe', University of Karlsruhe, Germany.
- 2007 :** 'Natural Ventilation of Buildings', University of Bolzano, Italy
- 'Passive Solar for Buildings', University of Florence, Italy
- Solar and Thermal Protection Techniques for Buildings. National University of Singapore, Singapore.
- 2008 :** Invited Lectures at the University of Latin America and the Caribbean, Panama
- Invited Lectures in the University of Colima, Mexico.
- Natural Ventilation of Buildings, University of Boltzano, Italy
- Urban Microclimate, University of Milano, Italy

INVITED LECTURES IN SCIENTIFIC CONFERENCES AND WORKSHOPS

- **1996.** Invited Lecture On Energy in the Built Environment, Conference on Energy and Buildings, Yugoslavia
- **1997.** Invited Lectures on Energy and Outdoor Climate in the Urban Environment, National Bioclimatic Conference of Brazil, , Un. Bahia-Salvador, Brazil.
- **1998** Invited Lecture on New Strategies for Cooling of Buildings, IACAR Conference, Rome, Italy.
- **1999.** Invited Lecture on Climatology of Cities and Energy Consumption, In ternational Workshop on Urban Environment, Organised by the Austrian Center for Culture and Science in London.
- **2000.** Invited Lecture on Energy in the Built Environment, International Conference on Solar Energy in

Buildings, Switzerland

Invited Lecture on 'The City as Habitat – New Urban Visions' International Conference Metropolis 2000, Athens.

- **2001.** Invited Lecture on Energy in the Urban Environment, International Conference Sustainable Buildings and Solar Energy, Brno, Czech Republic.

Invited Lecture on Urban Climate, International Workshop of the IHDP World Program, Bonn, Germany.

- **2002.** Invited Lecture on 'Energy in the Urban Built Environment', European Conference of the International Solar Energy Society, Bologna, Italy.

Invited Lecture 'Comment Ameliorer le Comfort d'ete dans les Batiments Urbaines', , Congres AICVF, Lyon, France

Invited Lecture on 'Energy and Environmental Sustainability of Cities – An oxymoron or a Realistic Perspective ?' International Conference Energy Performance Indoor Congress , Lyon

- **2003.** Invited Lecture on 'Passive Energy Systems for Buildings', International Workshop on the Energy Efficiency in the Built Environment, Prague,

Invited Lecture on the Energy Consumption of Buildings, Center for Energy of Andalucia, Spain

Invited Lecture on Thermal Buildings Environment, International Conference on Energy and Environment, Lemnos, Greece

Invited Lecture on Energy in the Built Environment to the International Conference of CIB, Hungary.

Invited Lecture on Passive Cooling for Buildings, Conference on Energy Quality of Buildings, Milano Italy

Invited Lecture on 'Sustainable Cities – Realistic Targets for an Utopian Subject' International Conference on Energy and Buildings, Westerloo, Belgium

- **2004.** Invitation for Lecture to World Renewable Energies Congress 2004, Colorado, USA

Invited Lecture. On 'Renovating Cities Through Renewable Energies' International Conference Architecture, Cities and Energy, Pablona, Spain.

Invited Lecture on 'Energy Conservation in Hospitals', International Hospital Conference, Salonica,

Invited Lecture on 'Innovative Technologies for Passive Cooling', International Workshop on Assessment of Innovative Technologies, Brussels.

- **2005.** Invitation for Lecture on Passive Cooling and Environmental Quality of Buildings. International Conference on the Energy Efficiency of Buildings, Belgrade, Serbia.

Invited Lecture on Energy Efficiency and Ambient Quality of Mediterranean Cities, EUROSOLAR Conference, Rome

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

- **2006.** Invitation for a Lecture on Heat Island, International Workshop on Urban Heat Island, Tokyo, Japan.

Invitation for a Lecture on Passive Cooling, International Conference on Thermal Comfort, Windsor, UK.

Invitation for a Lecture on Energy in the Built Environment – Prospectives for the Mediterranean Area' in the Bioclimatic International Workshop, Pesaro, Italy.

Invitation for a Lecture 'On the Use of Data Driven and Fuzzy Techniques to Calculate the Wind Speed in Urban Canyons', in the 2nd International Symposium on evolving Fuzzy Systems, Lancaster, UK.

Invitation for a Lecture on Cool Materials to Fight Heat Island in. Solar Cities Conference, Oxford, UK,

Invited lecture on 'Energy and environmental quality of the Built Environment in Europe',... EuroSolar Conference, Glasgow, UK.

Invitation for a Keynote lecture on 'State of the Art on Alternative Cooling Techniques', XI National Conference on Technology in the Build Environment, Santa Catharina, Brazil
 Invitation for a keynote lecture on 'Passive Cooling – The State of the Art' at the International Symposium on Performance Contracting and Energy Efficient Design in Buildings, Kuala Lumpur, Malaysia.

Invitation for a lecture 'Energy in Buildings and Citizenship', at the Seminar on Energy and the Environment, Porto, Portugal.

Invitation for a lecture on the Environmental Quality of Buildings, Conference on Sustainability and Spatial Project, Sassari, Sardinia, Italy.

Invitation for Lecture, 'Energy Efficiency and Environmental Quality in the Mediterranean' στο International Conference 'Mediterranean Cities after Kyoto' Solar Energy Society, Rome

Invitation for Lecture, Conference on Energy Efficiency, Academy of Athens.

Invitation for a Lecture on 'Environmental Quality and Energy Efficiency in the Building Sector', in the EPIC 06 – AIVC conference Lyon

- **2007.** Invitation for Lecture, 'Cool Cities', UK – India Workshop on Urban Sustainability, Delhi, India.
 Invitation for Lecture, in 6th International Conference on Sustainable Energy Technologies, Chile,
 Invitation for Lecture, Conference Energy and Ecological Performance of Buildings, Rome,
 Invitation for Lecture. International Conference Heating Ventilation and Air Conditioning in Buildings, Belgrade.
 Invitation for Lecture International Symposium on Sustainability. . Napoli, Italy
 International Workshop 'Analysis and Design of Urban Climate' στο Tohoku University Sendai Japan

EDITOR AND MEMBER OF THE EDITORIAL BOARD OF INTERNATIONAL SCIENTIFIC JOURNALS

- Editor in Chief of the Journal of Advances Building Energy Research, 2006.
- Associate Editor of the Solar Energy Journal, 2002-Today
- Member of the Editorial Board of the "International Journal of Solar Energy", now J. of Sustainable Energy (1989-Today).
- Member of the Editorial Board of the "Journal of Ventilation", (1992-Today).
- Member of the Editorial Board of the Energy and Buildings Journal, 2005-
- Member of the Editorial Board of the Annual European Directory of Sustainable and Energy Efficient Building, (1993-Today)
- Member of the Editorial Board of the 'AIR- Journal' , 2007 -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'

INVITED GUEST EDITOR OF SCIENTIFIC JOURNALS

- _Guest Editor of the International Journal of Solar Energy on 'Passive Cooling', 1997.
- Guest Editor of the Journal 'Energy and Buildings' on 'Energy Performance of Buildings and Indoor Climate', 1999.

- Guest Editor of the Journal of Solar Energy on 'Energy in the Urban Environment', 2001.
- Guest Editor of the International Journal of Solar Energy on 'Artificial Intelligent Techniques Applied to Buildings', 1999.
- Guest Editor of the Journal of Building's Environment on 'Energy Rehabilitation of Offices Buildings', 2002.
- Guest Editor of the Journal 'Energy and Buildings' on 'Sustainable Energy for the Urban Environment', 2003.
- Guest Editor of the Journal of Sustainable Energy on the Energy Efficient Museums and Cultural Buildings, 2004
- Guest Editor of the International Journal on Ventilation on Ventilation for Passive Cooling, 2005
- Guest Editor of Special Issue of the Solar Energy Journal devoted to Natural Ventilation in Urban Areas, 2006
- Guest Editor of the Buildings Environment on Hybrid Air Flow Techniques, 2006
- Guest Editor of the International Journal of Ventilation on Air Flow Processes in Building, 2007
- Guest Editor της ειδικής έκδοσης του of the International Journal of Ventilation με θέμα 'Advanced Ventilation for Low Energy Cooling', 2008
- Guest Editor της ειδικής έκδοσης του Journal of Sustainable Energy με θέμα 'Low Energy Cooling for the Built Environment', 2008

REVIEWER OF INTERNATIONAL SCIENTIFIC JOURNALS

Reviewer in 23 international scientific journals and in particular : 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,**

REVIEWER AND EVALUATOR OF RESEARCH PROGRAMS AND STAFF

- Evaluator of Research Programs, Engineering and Physical Sciences Research Council, UK Government, (2002-2005)
- External Evaluator of Research and Academic Staff, Laurence Berkeley Laboratory, USA, (2004-2007)
- External Evaluator of the Joint US Davis / LBL University of Berkeley, California, 2007
- Invited Contributor to the National Energy Foresight Program of Germany, (2004)
- External Evaluator of Research and Academic Staff, Ben Gurion University, Israel., (2005-2007)
- Evaluator of Research Programs, Republic of Ireland, (2001)..
- External Reviewer and Evaluator of Research Programs on Energy and Environment, Ministry of Research, Republic of Slovenia, (1998).

- Evaluator of Research Programs, University of Luxemburg, Luxemburg, (2004)
- Invited Member of the IHT Selection Panel of CIEMAT, (National Research Center), Spain, (2004)
- Invited Member of the Steering and Evaluation Committee of Research Programs on Urban Environment, (VIVACITY) , UK, (2004-2005)
- Evaluator of Research Proposals on Renewable Energy Sources, (ALTENER), European Commission, Directorate for Energy., (2002-2003)
- Evaluator of Research Proposals on Information Science and Technology, (IST), European Commission, Directorate for Research, (2003)
- Evaluator of Research Proposals on Energy Efficiency, (SAVE) European Commission, Directorate General for Energy and Transports, (2001-2003)
- Evaluator of Research Proposals on Information Science and Technology, (SME/CRAFT), European Commission, Directorate for Research, (2005).
- Evaluator of Research Programs on Energy, Ministry of Energy, Research and Industry, Greece, (1999-2006)..
- Evaluator of Research Programs, Ministry of Education, Greece, (2003-2005)
- Member of the Greek Foresight Committee on Energy, (2003-2005)
- Evaluator of Research Programs, University of Patras, Greece, (2004).
- Examiner in the National Greek Scientific Grants Authority, (IKY), 2006
- External Evaluator of German Research Proposals, German Research Foundation (DFG), 2006
- External Evaluator of Research Programs, Local Government of Piemonte, Italy, 2006
- Member of the International Advisory Committee of the Institute for Environmental Research, Ben Gurion University, Israel, 2006
- External Evaluator of Research Programs of the Agence Nationale de la Recherche (ANR), France
- External Evaluator of Research Programs of the Qatar National Research Center, 2007
- External Evaluator of Research Programs of the National Research Foundation, Singapore, 2008

INTERNATIONAL RESEARCH AWARDS

- 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.'''

MEMBER OF INTERNATIONAL RESEARCH COMMITTEES

- Member of the Working Committee of the European Community on the "Energy Efficiency and Indoor Environment", European Commission, JRC Ispra.
- Member and National Representative to the European Standing Committee : "Indoor Air Quality and Its Impact on Man", European Commission, JRC Ispra.

- Member of the European Thematic Network on Energy Efficiency and Indoor Air Quality, of the European Commission, (JRC Ispra)
- Member of the Environmental Committee of the European Network Building Research Institutes, ENBRI.
- Member of the European Working Committee on 'Critical Review of Ventilation Requirements', JRC Ispra, European Commission.
- Member of the European Working Committee on 'Economic Implications of Inappropriate Indoor Air Quality', JRC Ispra, European Commission.
- Coordinator of the EEC Task on Research Indicators for the Sector of the Built Environment

EXPERT TO INTERNATIONAL AND NATIONAL SCIENTIFIC BODIES

- Vice President of the Air Infiltration and Ventilation Center, International Energy Agency, United Nations, 2007.
- Invited Research Expert to the Chinese University and to the Government of Hong Kong on Urban and Built Environment
- Invited Theme Editor of the UNESCO – EOLLS Encyclopaedia on Natural Sciences
- Invited Expert by the International Solar Energy Society Group to prepare the State of the Art on 'Solar Energy in Buildings'
- Invited Associate to the PLEA, (Passive and Low Energy Architecture), Organisation.
- Invited Member of the National Committee to prepare the Building Energy Program , Greece.
- Invited Expert of the World Health Organisation on Heat Protection, 2006
- Invited Member of the Scientific Committee of the Canadian Solar Buildings Research Network, Canada, 2006

EVALUATOR OF INTERNATIONAL SCIENTIFIC BOOKS

- External Evaluator of Scientific Books, Springer Verlag Publishers, Germany
- External Evaluator of Scientific Books and Journals, James and James Science Publishers, UK
- External Evaluator of Scientific Books EarthScan Publishers, UK
- External Evaluator of Scientific Books Spon Publishers, UK
- External Evaluator of Scientific Books for the PRAXIS Publishers, New York

REPRESENTATIVE TO INTERNATIONAL SCIENTIFIC INSTITUTIONS

- National Representative of Greece in the European Commission on Energy and Environmental Research and Development.
- Member of the College of Members of the EUREC Agency, (European Renewable Energy Centres Agency)
- Member of the Director's Board and National Representative to the Air Infiltration and Ventilation Center, (AIVC), International Energy Agency.
- Member of the Directors Board and Scientific Responsible on Education of the International Network Infiltration Ventilation and Energy, Brussels
- National Representative to the Malmoe Environmental and Ecological Committee, Sweden

MEMBER OF UNIVERSITY COMMITTEES FOR THE SELECTION OF ACADEMIC STAFF

- University of Athens, 1995-2004
- University of Ioannina, 2003
- University of Thrace, 2004-2006.
- Harokopion University , Athens, 2004
- Univeristy of Patras, 2005
- University of Thessaly, 2007-
- Research and Development Center of Thessaly, (Κέντρο Έρευνας Τεχνολογίας & Ανάπτυξης Θεσσαλίας (KETEAΘ))

- **MEMBER OF THE SCIENTIFIC COMMITTEE OF INTERNATIONAL CONFERENCES.**

1989. : Member of the Scientific Committee and Reviewer of the "Second European Conference on Energy in Buildings". Paris.

1990 : Member of the Scientific Committee and Reviewer to the Second European Competition on Energy Efficiency in Buildings, DG12, CEC, Dublin,

1993. Member of the Scientific Committee and Reviewer to the International Solar Energy Conference, (International Solar Energy Society), Budapest,

Member of the Scientific Committee and Reviewer to the Third European Conference on Energy in Buildings, Florence, .

1994 Technical Chairman of the Third European Competition on Energy Efficiency in Buildings, Dublin..

Member of the Scientific Committee and Reviewer to the International Conference "Healthy Buildings", Budapest.

Scientific Chairman of the International Conference " Energy Performance and Indoor Environment of Buildings", Lyon, France..

1995 Member of the Organising Committee of the International Conference " International Conference for Teachers of Architecture", Florence..

1996 Member of the Scientific Committee of the International Conference on Building Simulation Performance, Prague.

Member of the Scientific Committee of the AIVC Conference , Gothemborg.

1997 Member of the Organising Committee of the International Conference " International Conference for Teachers of Architecture", Oxford..

Member of the Scientific Committee of the AIVC Conference , Athens.

Scientific Chairman of the Third European Conference on Energy and Indoor Environment, Berlin.

Member of the Scientific Committee and Reviewer to the International Solar Energy Conference, (International Solar Energy Society), Jerusalem.

1998 Member of the Scientific Committee and Guest Speaker to the International Conference on Buildings Energy Performance, (PLEA 1998), Lisbon..

Member of the Scientific Committee of the World Renewable Congress, Florence..

Scientific Chairman of the Second European Conference on Energy and Indoor Environment, Lyon..

Member of the Scientific Committee of the AIVC Conference , Oslo, Norway

1999 Member of the Scientific Committee of the Indoor Air 99, Conference, Edinburg.. UK

Member of the Scientific Committee of the International Conference on Building Simulation Performance, Osaka , Japan

2000. Member of the Scientific Committee of the Conference Eurosun 2000, Denmark

Member of the Scientific Committee of the Indoor Air 2000, Conference, Helsinki, Finland

Member of the Scientific Committee of the 7TH Arab Conference on Solar Energy and Regional World Renewable Energy Congress, United Arab Emirates.

Member of the Scientific Committee of the AIVC Conference , The Hague, The Netherlands

Member of the Scientific Committee to the International Conference on Buildings Energy Performance, (PLEA 2000), Oxford, UK.

Member of the Scientific Committee of the World Renewable Congress, Brighton, UK

Member of the Scientific Committee of the Conference REBUILT, Barcelona, Spain.

2001 Member of the Scientific Committee of the International Conference Technology Watch and Innovation in the Construction Industry, Brussels, Belgium

Member of the Scientific Committee of the 4th International Conference on Indoor Air quality, Ventilation and Energy Conservation in Buildings, Changsa, China..

Member of the Scientific Committee of the Conference on Thermal Comfort, Windsor, UK.

Reviewer in the International Conference on Passive and Low Energy Architecture, Florianapolis, Brazil,

2002 Scientific Chairman of the International Conference on Energy Performance and Indoor Quality. Lyon, France

Member of the Scientific Committee of the Conference Eurosun 2002, Rome, Italy

Member of the Scientific Committee of the CIB/CIBSE Conference on Climate Change, Manchester, UK

Member of the Scientific Committee of the World Renewable Energy Congress, Cologne, Germany

Member of the Scientific Committee of the Room Vent 2002 Conference, Denmark

Reviewer in the International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, South Africa.

2003 Member of the Scientific Committee of the International Conference on Energy and The Environment, Oxford, UK, 2003

2004 Member of the Scientific Committee of the International Conference IEEECB'04, Germany..

Member of the Scientific Committee and Reviewer of the CIB Conference, Toronto, Canada.

Member of the Scientific Committee of the AIVC Conference , Prague.

2005 Scientific Chairman of the International Conference on Passive and Low Energy Cooling, Santorini, Greece

Member of the Scientific Committee of the International Conference ICARUS, Patras, Greece

Member of the Scientific Committee of the International Conference on Passive and Low Energy Architecture, PLEA, Lebanon.

Member of the Scientific Committee of the International Conference on Building Physics, Canada.

Member of the Scientific Committee of the AIVC Conference , Brussels, Belgium

Member of the Scientific Committee of the WSEAS Conference.

Member of the Scientific Committee of the SD-MED Conference, Athens, Greece

2006 Member of the Scientific Committee of the EUROISES Conference, UK,

Member of the Scientific Committee of the International Conference Healthy Buildings, Lisbon, Portugal

Member of the Scientific Committee of the International Conference on Highway and Urban Pollution, Cyprus,

European Chairman of the Energy Performance and Indoor Quality Conference, Lyon, France.

Member of the Scientific Committee of the World Renewable Energy Congress, Florence, Italy

Member of the Scientific Committee of the SESCO 2006 & CSBRN 31st Annual Conference of the Solar Energy Society of Canada and 1st Canadian Solar Buildings Research Network Conference

Member of the Scientific Committee of the II International Congress of Architecture, Cities and Energy – CIBARQ06, Spain

Scientific Chairman of the EPEQB-06 International Conference, (Energy Performance Environmental Quality of Buildings), Milos, Greece.

2007 Member of the Scientific Committee of the REHVA International Conference, Clima 2000, Helsinki, Finland. .

Scientific Chairman of the Joint International Conference AIVC -Passive and Low Energy Cooling, Crete, Greece

Member of the Scientific Committee of the Conference 'Central Europe Towards Sustainable Buildings" - CESB 2007, Tsech Republic.

Member of the Scientific Committee of the International Blower Door Conference, Germany.

Member of the Scientific Committee of the International Conference 'Sustainable Construction, Materials and Practices: Challenge of the Industry for the New Millennium', Portugal

Scientific Chairman of the EPEQB-07 International Conference, (Energy Performance Environmental Quality of Buildings), Milos, Greece.

Member of the Scientific Committee of the 2nd Canadian Solar Buildings Research Network Conference

Member of the Scientific Committee of the Indoor Air Quality Conference, IAQVEC 2007, Japan

Member of the Scientific Committee of the International Conference, PLEA 07, Singapore, November, 2007

Member of the Scientific Committee of the International Conference on HVAC Research, Belgrade, 2007

2008 Member of the Scientific Committee of the International Conference Indoor Air 2008, Kopenhagen, Denmark.

Member of the Scientific Committee of the International Conference World Renewable Energy Congress, Glasgow, UK

Member of the Scientific Committee of the International Conference EUROSUN Conference, Lisbon.

Member of the Scientific Committee of the International Conference 'Windsor conference 2008: Air Conditioning and the low-carbon cooling challenge?', UK.

Member of the Scientific Committee of the International Conference Advanced Building

Ventilation and Environmental Technology for Addressing climate change issues. Kyoto, Japan

Member of the Scientific Committee of the International Conference 3rd European BlowerDoor Symposium, Kassel, Germany.

Member of the Scientific Committee of the International Conference 'Canadian Solar Buildings Research Network Conference', Canada

Member of the Scientific Committee of the International Conference on Building Energy and Environment (COBEE), August 4 to 6, 2008 in Dalian, China.

Member of the Scientific Committee of the International Conference 'Air Conditioning: can it be sustainable?', Windsor, UK

Member of the Scientific Committee of the International Conference **PLEA 2008, Ireland, 2008**

2009 Member of the Scientific Committee of the 4th International Building Physics Conference in Istanbul, May 2009, Turkey

Member of the Organising Committee 2nd International Workshop on Heat Island, Berkeley, USA

MEMBER OF THE SCIENTIFIC COMMITTEE OF NATIONAL CONFERENCES.

Member of the Organising and Scientific Committee of the International Conference "Energy and Local Development", Naxos, Greece, 1988.

Member of the Scientific Committee of the Hellenic National Conference on Renewable Energies, Athens, 1998.

Member of the Scientific Committee of the Hellenic National Conference on Renewable Energies, Volos, 1999.

PARTICIPATION TO SCIENTIFIC ORGANISATIONS

Union of Greek Physicists.

Greek Section of the International Solar Energy Society.

International Solar Energy Society.

American Association Mechanical Engineers.

International Association Indoor Environment.

American Association Energy Engineers.

International Association Solar Energy Education.

IEEE

International Association on Neural Networks.

European Intelligent Group, London, UK

LIST OF PUBLICATIONS

- **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