

WORLD RENEWABLE ENERGY CONGRESS

INVITED SPEAKERS



ISESCO Programme for Sustainable Development and Environment

Dr Abdulaziz Othman Altwajri, Director General of ISESCO, Rabat, Morocco



Development of passive and hybrid environmental strategies for public buildings

Prof C Alan Short, Cambridge University, Martin Centre, Alan Short Associates, Cambridge, UK



Architecture is Learning through Experience

Arch. Alexandros N. Tombazis, Alexandros N Tombazis and Associates Architects Ltd. Athens, Greece



Water Sustainability Challenges in the Arab Region

Dr Radwan Al-Weshah, Regional Hydrologist for Arab States in the UNESCO Regional Office in Cairo, Egypt



The aesthetic integration of wind parks in the environment; Application in a Greek insular wind park

Professor Theocharis Tsoutsos: Department of Environmental Engineering, Technical University of Crete (TUC), Greece



Biomimetics and Plasmonics: capturing all of the light

Dr Darren Bagnall, Southampton University, Southampton, UK



Examples of low energy buildings in Sweden

Professor Bahram Moshfegh, division chairman of energy systems, mechanical engineering department, Linkoping University, Sweden



Building materials and their impact on the Built Environment in China

Professor Baizhan Li, Dean of Faculty of Urban Construction and Environmental Engineering, Chongqing University, Chongqing, China



Some aspects of development of solar thermal energy technologies

Dr Dorota Chwieduk, RTD on Energy, Buildings and Environment, President of Polish Solar Energy Society, Warsaw, Poland



Progressive Renewable Energy Integration

Dr Souad A. Benromdhane-Kilani, CSSI, Inc., Washington, DC, USA



H2 Production for MCFC by Steam Reforming of Organic Solvents

Dr Fusteri, Institute of Advanced Technology for Energy, Italian National Council of Research, Italy



The Balerno Project

Dr Alexander (Sandy) Brown: Research Fellow, School of Engineering, University of Aberdeen, UK



Energy and Gender Equitable Development

Dr Barbara C. Farhar, University of Colorado, Boulder, USA



Renewable Energy Programme and the EU

Dr Bruno Schmitz, Head of Unit, DG Research, European Commission, Brussels, Belgium



Photovoltaic Powered Water Treatment Systems for Developing Countries and Disaster Relief

Dr Bryce Richards, Reader, Heriot-Watt University, Edinburgh, Scotland, UK



Diverse of Change – High Level of Global Opinion

Dr Chris H Luebke, Director for Global Foresight & Innovation, Arup Group, London, UK



Surveying the availability of renewable energy resources in developing countries, and their importance to policy-makers and developers to stimulate renewable energy markets

Dr David S. Renné, National Renewable Energy Laboratory, NREL, Denver, USA



Wind energy based desalination processes and plants

Dr. Emilia Kondili, Mechanical Engineering Department, TEI, Athens, Greece



Solar Energy Resource Assessment in Brazil.

Dr Enio Pereira, Head of Climate and Environment Division, INPE, Brazil



Empowering Village Women in India through Sustainable Energy Use

Dr Gouri Datta: Senior Reader at University of Delhi, Delhi, India



Climate Change: Challenge and Potential Solutions

Dr Govinda R. Timilsina, Senior research economist, The World Bank, USA



The role of Renewable Energy Resources for Sustainable Development

Dr. Hameed A. Khan, Head of COMSATS, Pakistan



Optical properties of light guides

Dr Jitka Mohelnikova, Faculty of Civil Engineering, Brno University of Technology, Czech Republic



Redesigning Policy to Enhance Fuel Saving and Capacity Contribution from Renewable Generators

Dr John Constable, Director of Policy and Research, Renewable Energy Foundation, UK



Policy and Gender – Goals and Objectives in Africa

Dr May Christine Sengendo, Makerere University, Kampala, Uganda



Wind Energy Development and Progress in Germany

Dr. Peter Ahmels, Vice President of EREF (European Renewable Energy Federation) Germany



Novel Materials for Solar Concentration

Dr Sarah McCormack, Dublin Energy Lab, Dublin Institute of Technology, Ireland



Thirty years of experience with Solar Cookers and Cooking - to reduce Global Warming

Professor Dr Shyam S Nandwani, Solar Energy Laboratory/Department of Physics, Universidad Nacional, Costa Rica



Masdar First World Solar City

Dr Sultan Ahmed Al Jaber, Chief Executive Officer of (ADFEC), Abu Dhabi, UAE



Advanced solar collectors for building integration

Dr Tomas Matsuka, Czech Technical University Prague, Czech Republic



Development of a 5 kWe LPG Hydrogen Generator for PEFC Residential Applications: A Case History

Dr Vincenzo Recupero, Research Director CNR/ITAE



Photovoltaic Applications in Thailand and its future prospect

Dr Wandee Khunchornyakong, Managing Director Solar Power Co Ltd., Bangkok, Thailand



The Fuel Cells – Hydrogen Research in the EU

Dr Wiktor Raldow, Director of Energy Conversion and Distribution Systems, Directorate K-Energy, European Commission, Brussels, Belgium



Effect of rotation and unsteady perturbations on stall for wind turbine blades

Dr Wolf-Gerrit Früh, School of Engineering and Physical Sciences, Heriot Watt University, Scotland, UK



Improving Indoor Air Quality in Rural Areas Using Solar and Wind Energy

Dr.-Ing. Jyotirmay Mathur, Malaviya National Institute of Technology, Jaipur, India



Post-oil Energy Supply Scenarios for the Sultanate of Oman

Dr Hilal Al-Hinai, Secretary General of Oman Research Council, Muscat, Oman



Advances in the measurement of solar and thermal optical properties:Accuracy, procedures and compliance with International norms

Prof Michael G Hutchins, Sonnergy Ltd., Oxford, UK



Renewable Energy Applications in the Caribbean Region

Dr. Indra Haraksingh, University of the West Indies, St. Augustine, Trinidad



Promises of Sustainable Architecture in Argentina

Professor Irene Blasco Lucas, National University of San Juan, Argentina



Decentralized / Distributed Power Generation using Biomass Gasification.

Dr B C Jain, Managing Director Ankur Scientific Energy Technologies (P) Ltd, Sama, India



Creating a Sustainable Biofuels Infrastructure

Dr Jennifer Holmgren, Director of the Renewable Energy and Chemicals Business at UOP LLC Des Plaines, IL 60017-5017, USA



Capabilities and Requirements for the Computational Modelling of Renewable Energy Systems

Professor Joe Clarke, Environmental Engineering at the University of Strathclyde, ESRU, Glasgow, Scotland



Role of Renewables in Emerging Markets

Mr Jonathan Johns, Renewable Energy, Waste and Clean Energy Partner, Ernst & Young London, UK



Energy consuming activity patterns in daily life at household and population levels – revealed by the program VISUAL-TimePacTS

Professor Kajsa Ellegard, Technology and Social Change, the Tema department, Linköping University, Sweden



Economic and environmental benefits of thermosiphon solar water heaters

Dr Soteris Kalogirou, Department of Mechanical Engineering and Materials Science and Engineering, Cyprus University of Technology, Limassol, Cyprus



Progress on Photovoltaics, the leaping technology

Dr Lawrence L. Kazmerski, Director of the National Center for Photovoltaics (NCPV) at the National Renewable Energy Laboratory, Golden, Colorado, USA



Sustainable Urban and Building Design in Portugal

Dr Manuel Correia Guedes, Dept of Civil Engineering & Architecture Instituto Superior Tecnico, Lisbon, Portugal



UK Offshore Wind Energy Programme

Maria McCaffery MBE, CEO, The British Wind Energy Association, London, UK



3rd generation photovoltaic for solar energy conversion.

Dr Matteo Biancardo, Danish Polymer Centre, Riso National Laboratory (DK)



United Arab Emirates Program for the use of Renewable Energy

Dr Majid Al Mansouri, Secretary General, Environment Agency, Abu Dhabi, UAE



New use of renewable energies to power urban mobility

Mr Arno A. Evers, Chairman Arno A. Evers FAIR-PR, Germany



Grameen Shakti's (Energy) Activities and Microcredit policy

Mr Dipal Chandra Barua, Deputy Managing Director, Grameen Bank



Wind Energy Development and Progress in Germany

Mr Gerhard Stryi-Hipp, Managing Director of BSW, Germany



Solar Water Heaters Usage in the Caribbean

Mr. James Husbands, Managing Director and CED of Solar Dynamics Ltd, Barbados, West Indies



The development of the Aberdeen offshore wind farm

Mr Iain Todd, Consultant in Renewable Energy, Aberdeen, Scotland, UK



Financing Renewable Energy in Developing Countries

Mr Irvin Barash, President of Vencon Management, Inc.(VMI), New York, USA



Solar Sustainable Development and Photovoltaic Industries

Mr Isao Yukawa, Past President of Kyocera Solar Cooperation, Kyoto, Japan



Recent updates and quality of solar radiation database Meteonorm Version 6.0

Mr Jan Remund, Meteotest Company, Bern, Switzerland



Renewable energy development in Asia and the Pacific Region

Mr Liu Hongpeng, Environment and Sustainable Development Division (ESDD) of the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), Bangkok, Thailand



Renewable Energy Policy in the UK

Mr Philip R Wolfe, Chief Executive of the Renewable Energy Association, London, UK



Power for Mobility, e-motion against emission

Mr Roland Reichel, Solar Mobility, Hon. Chairman, German Solar Association, Weilersbach, Germany



Designing a Sustainable Solar Powered Lime Kiln for Use in Rural Bangladesh

Mr Simon Mclean, Nottingham Trent University, Head of the Building Surveying Dept. UK



Renewable Energy Sources in Cyprus

Mr Solon Kassinis, Director of the Energy Service, Ministry of Commerce, Industry and Tourism, Cyprus



Geothermal: Clean Base-load Power from the Earth

Mr Thomas R Blakeslee: President of Clear Light Foundation, California, USA



Investment and Growth of Various Renewable Energy Technologies and the Future Prediction

Ms Alina Bakhareva, Programme Manager, Energy & Environment Group, London, UK



US Renewable Energy Policy and National Renewable Energy Laboratory

Dr Dan Arvizu, Director of the US Department of Energy' (NREL), Golden, Colorado, USA



Program and Policy to promote Renewable Energy Use in California

Ms Irene M. Stillings, Executive Director, California Center for Sustainable Energy (CCSE), USA



Environment and Social Impact of Renewable Energy in India

Professor H.P. Garg, IREDA Chair Professor at IIT Delhi, India



Sustainable Architecture in the Gulf Region - Towards Low-carbon Buildings

Professor Mohsen Aboulnaga: Advisor to The Executive Prof Council (TEC), Government of Dubai



Buildings for a low carbon future

Professor Phillip Jones, Chairman of Architectural Science, Cardiff University, Cardiff, UK



Status of wave and tidal current energy conversion

Professor AbuBakr S Bahaj, Head of Sustainable Energy Research Group, University of Southampton



Recent Development of Ocean Energy in Korea

Professor Chul Hee Jo, Inha University, Incheon, South Korea



Opportunities and constraints for upgrading 1960s housing to low-carbon status

Professor Colin Porteous, Mackintosh Environmental Architecture Research Unit (MEARU), Mackintosh School of Architecture, Glasgow, UK



Land use and indoor environment as contradictory variables for the sustainable urban housing

Professor Dania González Couret, Dean of Research, Faculty of Architecture, Havana, Cuba



Energy Transformations in Central and Eastern Europe

Professor David Elliott, Open University, Milton Keynes, UK



Integration and Evolution of Biomass and Biofuel Technologies

Professor Dermot J Roddy, Professor of Energy, Newcastle University, Newcastle, UK



Renewable Energy in the GCC Countries

Professor Dr W E Alnaser, Professor of Applied Physics, University of Bahrain



Building Energy Codes in Egypt

Professor George Bassili Hanna: Emeritus Professor, Housing & Building Research Centre, Cairo, Egypt



The city: matter, energy and information

Professor Helena Coch: School of Architecture, Barcelona University, Spain



Design Strategies for Low-Energy Rural Housing in China

Professor Hong Jin: Harbin Institute of Technology, School of Architecture, Harbin 150001, Heilongjiang, China



Unleashing the New Energy Economy

Professor Hunter Lovins: Natural Capitalism Solutions (NCS), Boulder, USA



Ground-Source Heat Pump Systems

Professor Jeffrey D Spitler, School of Mechanical and Aerospace Engineering at Oklahoma State University, USA



Use of biochar for CO2 bio-sequestration

Professor Johannes Lehmann, Cornell University, USA



Advances in Modelling Solar Ration

Professor John Boland, School of Mathematics and Statistics, University of South Australia



Analyzing the Public Opinion towards Wind Energy Applications

Professor John K. Kaldellis, Director of Energy Sector and Head of Soft Energy Applications and Environmental Protection Laboratory, TEI of Piraeus, Greece



Global Warming, Energy Insecurity & the Energy Poor: The Path Not Taken

Professor Lakshman Guruswamy, International Environmental Law at the University of Colorado at Boulder, USA



Reforming of renewable fuels for mobile fuel cell applications

Professor Lars J Pettersson, KTH – Royal Institute of Technology, Stockholm, Sweden



ICTP Program on Environment and the Physics of Renewable Energy

Professor K R Sreenivasan, Director of the Abdus Salam International Centre for Theoretical Physics in Trieste, Italy



Technology Development in Photovoltaic

Professor Martin Green, Executive Research Director of Photovoltaic Centre of Excellence, University of New South Wales, Sydney, Australia



London's Urban Heat Island – Implications for Building Design

Professor Mike Davies, Bartlett, University College London (UCL)



New sustainable and productive cities for South America

Professor Oscar Corbella, School of Architecture of the Federal University of Rio de Janeiro, Brazil



Power losses due to wakes in large offshore wind farms

Professor Rebecca Barthelmie, University of Edinburgh, Scotland



Biomass and Biofuels in the UK

Professor Roland Clift, President-elect of the International Society for Industrial Ecology
University of Surrey, Guildford Surrey, UK



The impact of climate change on wind energy resources

Professor Sara C Pryor, Chair of the Atmospheric Science Program, Indiana University, USA



Modelling of low-temperature heating systems in buildings

Professor Sture Holmberg, Royal Institute of Technology(KTH), Stockholm, Sweden



The New Dawn of Geothermal Energy Worldwide

Professor Thorsteinn I. Sigfusson, Director of Iceland Innovation Centre, Iceland



THE Energy Solution to Climate Change and Global Warming

Professor T. NEJAT VEZIROGLU, Director of Clean Energy Research Institute
University of Miami, Coral Gables, Florida



US Program in Renewable Energy, Effectiveness and Progress

Dr Stanley R. (Stan) Bull, NREL, Denver, Colorado, USA



Wind Energy Program in the USA

Mr Robert Noun, Deputy Associate Director, External Relations at (NREL), Colorado, USA



Recent developments and perspectives of renewable energies in Germany

Rainer Hinrichs-Rahlwes, Board member of the German Renewable Energy Federation, Germany



Energy Planning and Policy Issues

Thierry Lefevre short CV, Director of the Centre for Energy Environment Resources Development – Foundation for International Human Resource Development (CEERD-FIHRD)



The Use of Bubble Architecture for Cooling

Mr Bill Watts, Senior Partner, Max Fordham LLP, London, UK



Opening Remarks on Energy Options in the EU

Mr Raffaele Liberali, Director for Energy, European Commission, Belgium



Welfare Approach Vs Commercial Approach for Improved Stove Dissemination Programmes: Lessons from ARTI's Experience

Priyadarshini Karve, Project Co-coordinator, Appropriate Rural Technology Institute (ARTI), Dhayarigaon, Pune 411 041, INDIA.



Delivering Sustainability: Do Better Buildings, Make Better Lives

Dr Lori McElroy, SUST Project Director, the Lighthouse Trust, Glasgow, Scotland



Conventional Geothermal Heating - The Icelandic Experience and Potentials for Other Countries

Professor Dr Gudni Albert Jóhannesson, Director general for the Icelandic National Energy Authority, Iceland



Gender and Biofuel Production: Criteria women farmers would use for designing, implementing and evaluating a sustainable project

Dr. Wendy Annecke, Manager, GVEP International (Global Village Energy Partnership), South Africa



**Energy and Women's Economic Empowerment :
Opportunities for Accelerated Sustainable Development**

Ms Dominique Lallement, World Bank, ESMAP, and the EUEI Consultant, USA-France



Liquid hydrogen production by using the OTEC technology

Mr Andi Yasser Rahman Patiwiri, President/Director of COLANO Energy,
Ocean Energy Industries, Indonesia



Comparison of CdTe thin film photovoltaic technologies

Dr Alessandro Romeo, consultant for a 15MW thin film photovoltaic production plant project
in Italy by Arendi S.r.l. (Marcegaglia group), Staff member of University of Verona, Italy



Isothermal storage of solar energy.

Dr Dariusz Heim, Dept of Building Physics & Building Materials, Technical University
of Lodz, Poland



Geothermal energy - worldwide status and prospects

Professor Dr Dr.h.c. L. Rybach, President, International Geothermal Association (IGA),
Zürich, Switzerland



**Thermal Performance Predictions of a Low Concentrating Line-Axis and a High
Concentrating**

Point Focus Photovoltaic System

Dr. Tapas Kumar Mallick PhD, MInstP, Director of Studies – MSc Renewable Energy
Engineering, Heriot-Watt University, Scotland, UK



Some Biofuel Programmes in Asia and Africa

Dr Edward Barry Holmes, International Business Development Manager,
Bronzeoak Group, Surrey, UK



Open loop geothermal systems: benefits and risks

Dr Ric Horobin, Water & Environment Director, Zenith International Ltd, Bath, UK



The Art Building Advanture and The Tallest –Zero Energy Building of the World

Christian Pietschiny, German Architect – Artist and Visionary person, Berlin, Germany



A method of assessing indoor environment quality using Evidential Reasoning approach
Dr Runming Yao, School of Construction Management and Engineering, Reading University,
Reading, UK



Cleaner Processes to Produce Biodiesel using Heterogeneous Catalysis
Prof Donato Aranda, coordinator of Green Technology Lab (Greentec) at UFRJ, Brazil



New Developments in the Technology of Dynamic Breathing Building
Dr Mohammed Imbabi - University of Aberdeen & EBP, Scotland



Progress on Biomass Energy Conversion Systems and Biomass Energy Related Studies in Turkey
Dr Hyati Olgun, TUBITAK Marmara Research Center, Turkey



Passive Cooling for Low-income households in developed and less developed countries
Professor Matheos Santamouris, Energy Physics, University of Athens



Sustainable energy - sustainable business: the challenge of making low-carbon energy competitive
Ms Katrina Landis, Chief Operation Officer of BP's Alternative Energy Division, UK



Overview and Challenges of Thin Film Solar Cell Technologies
Dr Harin S. Ullal, Senior Project Manager, NREL, Denver, USA



Hydrogen Energy Systems: Development of Modelling Tools and Applications
Mr Arnaud Eté, Dept. of Mechanical Engineering, University of Strathclyde, Glasgow, UK



Towards integrated decision support for sustainable urban planning

Dr Darren Robinson, Sustainable Urban Development, École Polytechnique Fédérale de Lausanne, Switzerland



A Distinctive Energy Policy for Scotland?

Professor Peter G McGregor. Department of Economics and Senior Research Associate in the Fraser of Allander Institute, University of Strathclyde



Building Integrated Ethernet Networks using Renewable Power Generation (BIEN-RPG)

Professor John Counsell, BRE Centre, University of Strathclyde, Department of Mechanical Engineering, Glasgow, UK



FROM THE CITY TO THE SPOON - Visions of sustainability-the material and the ephemeral

Professor Gordon Murray. Head of School of Architecture and Urban design, University of Strathclyde

