



World Renewable Energy Forum & Exhibition, WREF – 2012 Em-Powering the World with Renewable Energy

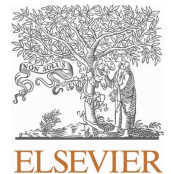
13 – 17 May, 2012

Denver Convention Center, Denver, Colorado, USA

WREF 2012 is being organized by the American Solar Energy Society (ASES) and the World Renewable Energy Network (WREN) and is supported by the International Solar Energy Society (ISES) and Colorado Renewable Energy Society (CRES)



ISES
International
Solar Energy
Society



DATES TO REMEMBER

- Abstract: one page only by 3 January 2012, please send it to email: wref2012@ases.org or template on ASES website: www.Ases.org Accepted notification by 20 January 2012
- Full paper, 6-pages only instruction on the website, by 5 March 2012
- Early Bird Registration ends on 13 April, 2012.

For more details contact, ASES secretariat at, 4760 Walnut Street, Suite 106, Boulder, Colorado 80301. Tel: 00 1 303 443 3130, Fax: 001 303 443 3212, wref2012@ases.org , or, www.ases.org or contact: World Renewable Energy Congress at, asayigh@wrenuk.co.uk or, www.wrenuk.co.uk

IMPORTANT

If you anticipate any problems in obtaining your visa, please write to L.L. Kazmerski, kaz@nrel.gov

MISSION STATEMENT

With the accelerated approach of the global climate-change point-of-no-return the need to address the pivotal role of renewable energy in the formation of coping strategies, rather than prevention, is more crucial than ever. Sustainability, green buildings, and the development of the large-scale renewable energy application and industry must be at the top of all development, economic, financial and political agendas. The time for action has arrived. Prevention and questioning how and why we face this great challenge is a luxury we can no longer indulge. It is vital to focus on renewable energy sources in combination with more efficient use of energy and this must be addressed in all future energy-related strategic decisions. Knowledge of decision-making, economics, organization, rules and regulations, policy issues, political processes, and human actions and reactions is also crucial in energy-related issues in order to control these developments with the necessary conservation of energy resources and the environment and without significant impacts on the quality of life.

WREN-Technical Committee

1- Solar Thermal

Prof Phil C Eames - Chair UK
 Prof Robert E Critoph – Co-Chair UK
 Dr Soteris Kalogirou Cyprus
 Prof Dorota Chwieduk Poland

2- Ocean Energy

Prof AbuBakr S Bahaj - Chair UK
 Dr Ye Li (NREL) – Co-Chair USA
 Dr William Batten UK
 Dr Luke Blunden UK

3- Wind and Hybrid Energy

Prof Don Swift-Hook - Chair UK
 Mr David Milborrow – Co-Chair UK
 Dr Ghanim Putrus UK
 Prof Gijs van Kuik Netherlands
 Dr David Lindley – OBE UK
 Mr Martin Alder UK
 Prof John Kaldellis Greece

4- Biomass & Waste to Energy

Prof Giuliano Premier - Chair UK
 Prof Celio L Cavalcante Jr.-Co-Chair Brazil
 Prof Raf Dewil Belgium
 Prof Jan Baeyens UK
 Dr Jerry Murphy Ireland
 Prof Kai Zhang China
 Prof Richard Mark Dinsdale UK

5- Hydrogen & Fuel Cells

Dr Jazaer Dawody - Chair Sweden
 Dr Gary Leeke – Co-Chair UK
 Prof Derek Northwood Canada
 Dr Jinlong Gong China
 Dr Ulrich Schmidtchen Germany

6- Geothermal Energy

Dr Thorsten Sigfusson - Chair Iceland
 Prof Ladislav Rybach – Co-Chair Switzerland
 Dr Denis Marcotte Canada
 Prof Louis Lamarche Canada
 Prof U Serpen Turkey

7- Photovoltaic Technology

Prof Rolf Hanitsch - Chair Germany
 Dr. Neelkanth G. Dhere - Co-Chair USA
 Prof Virel Badescu Romania
 Prof Frederik Krebs Denmark
 Dr Keith Emery USA
 Dr Gilles Notton France
 Dr S Papathanassiou Greece

8- Sustainable & Low Energy Architecture

Mr Bill Watts - Chair UK
 Prof Douglas King – Co-Chair UK
 Ms Holley Chant Abu Dhabi/USA
 Prof Bahram Moshfegh Sweden
 Prof Andrew Miller UK
 Dr Mark Jentsch UK

9- Policy and Sustainability

Mr Rainer Hinrichs-Rahlwes-Chair Germany
 Prof Dr David Elliott-Co-Chair UK
 Prof Dr Manfred Fishedick Germany
 Mr Wilson Rickerson USA
 Mr Stefan Schurig Germany

10- Energy Meteorology & Solar Materials

Prof John Boland- Chairman Australia
 Dr Daryl Myers- Co-Chair USA
 Dr Ricardo Aguiar Portugal

11- Water and Hydro Energy

Dr Arthur Williams- Chair UK
 Prof A Lejeune-Co-Chair Belgium
 Dr Emilia Kondili Greece

12- Energy and Gender

Dr. Barbara C. Farhar – Chair USA
 Shannon Cowlin - Co-Chair USA
 Dr. Priyadarshini Karve India
 Long Seng To Australia
 Ms Mercy Thomas India

Advisors

Dr Larry Kazmerski , Mr Robert Noun & Dr Stan Bull -USA

Registration Information – see : www.ases.org

Date	Early Bird Ends 13 April	Regular 14 April May	After 13 May
1- Delegate	659	759	859
2- Invited & WREN members	400	450	500
3- One Day	259	309	359
4- Student	189	199	209
5- All Access	999	1099	1199
6-Solar and You!	559	659	759
7- Public Day	10	10	10

This includes:

- 1- Opening Reception, daily lunch ticket, all general sessions, technical sessions and forums, and exhibition entrance.**
- 2- Same as category 1, and Banquet ticket.**
- 3- Lunch for one day, all general sessions, technical sessions and forums, and exhibition for one day.**
- 4- Opening Reception, daily lunch ticket, all general sessions, technical sessions and forums, and exhibition entrance.**
- 5- Same as category 1, and S & Y sessions.**
- 6- Same as category 1, and S & Y sessions, and S & Y Networking Reception**
- 7- Entrance to the public day expo, consumer sessions,& education displays.**

BANQUET Dinner: the cost is US\$75.

AMONG THE INVITED SPEAKERS

Dr Roberto Vigotti – Italy/France

-1- Renewable Energy Deployment and System Integration:

Key factors for policy makers

-2- Critical Analysis of on-going MED Solar Initiatives

Dr Manuel Romero Alvarez - Spain

-Renewable Energy Progress and Development in Spain

Prof Folke Bjork - Sweden

-Energy quality management and low energy architecture

Dr Jenny Palm - Sweden

- Barriers and enablers for implementation of sustainable energy policy and goals

Mr Per Laurell - Sweden

- A Community-owned Energy Company –

Its Role in R E As a Driving Force for R Development

Prof Erik Dahlquist- Sweden

- How to reach a global energy balance with only R E

Mr Tony Book – UK

- Feed in Tariffs and starts ----- and stops

Dr. Mohamed El-Ashry – USA

- Scaling Up Renewables for Energy Security and Sustainable Development

Dr Benjamin K. Sovacool- USA

-Renewable Energy Markets in Developing Countries:

Experience from Four Solar Home System Programs

Dr Jacques T N Kimman - Netherlands

-The Road towards Energy Neutral Cities

Prof Julia King OBE, FEng- UK

The Future of Transport Industries and Climate Change

Mr Michael Eckhart- USA

- The Need to Attract Long-Term, Low-Cost Debt Capital to Renewable Energy

Dr. Harry Lehmann – Germany

-Policy for the implementation of Renewable

Energies – 1% - 40% - 100%

Mr Stefan Schurig- Germany

- How a Feed in Tariff (FIT) and SDR's can boost the renewable energy sector

Prof. Dr. Ing. Manfred Fishedick- Germany

-Renewable Energies role for mitigation of climate change, robust findings from a comprehensive scenario survey

Dr Arnulf Jäger-Waldau - Italy

- Renewable Energy Trends in Europe

Dr Mark Z. Jacobson- USA

- Powering the world for all purposes with wind, water, and sunlight (WWS)

Prof Marco Sala: Florence- Italy

Examples of Sustainable Buildings from Italy

Dr Osman Benchikh- UNESCO/France

- Renewable Energy Prospective and Challenge

Dr Michael Harasek – Austria

- Biomethane from Biogas for CNG and Gas Grid

Injection: New Developments and Technology Rollout

Prof Richard Mark Dinsdale- UK

-Hydrogen Production from Low Grade Biomass

Prof Dr Giuliano C Premier-UK

- Bioelectrochemical systems: Which way forward in this evolving family of technologies?

Prof Thorsteinn I Sigfusson - Iceland

A comparison between Iceland and Russia, on the merger of deep geothermal drilling and supercritical steam engineering

Ingolfur Thorbjornsson – Iceland

Future prospects of Renewable Energy in Iceland How to get from 82 to 100% renewable proportion

Prof Dr Herbert Kohler- Germany

- FC technology for mobile applications and motivation for series production of FC vehicles

Mr Eric Denhoff – Canada

- Hydrogen and fuel cell activities in Canada

Mr Alan Lloyd – USA

Strategies towards zero emission traffic

Mr Dieter Kaup - USA

-H2 Bus NRW - Fuel Cell Bus

Dr. Peter Prenninger- Austria

- AVL FC-based projects for off-road applications

Mr Mikael Sloth- Denmark

-Hydrogen for transportation – H2 Logic refuelling solutions

Mr Subir Roychoudhury- USA

-Fuel processor development at PCI

Mr Jamie Holladay- USA

-Hydrogen generations techniques

Dr. Gunther Kolb - USA

- Development of Compact FC-based auxiliary power unit using micro processor reactor technique

Prof. Göran Lindbergh- Sweden

- FC systems for mobile applications; strength and weakness of the exciting technologies

Mr Per Ekdunge- Sweden

- On the development of PEMFC-APU systems for truck application

Dr Barbara C. Farhar- USA

- Energy and Gender Equitable Development

Dr Bernd Rech - Germany

-Challenges and perspectives of micro- and nano-structures for silicon based thin-film photovoltaic

Dr Ilka Luck- Germany

- Testing of PV-modules according IEC standards and beyond - Findings based on certification, quality assurance and field failure analysis

Dr Faiz Rahman - UK

- Light trapping of photovoltaic cells

Mr Rainer Hinrichs-Rahlwes- Germany

-Towards 100% Renewable Energy The Impact of Germany's Nuclear Phase-out on R Energy in Europe

Prof Dr George Baird- New Zealand

-The challenges of achieving high performance when retrofitting

older commercial buildings – the performance of ten case studies from around the world

Anil K Garg- India

- Renewable Energy for Sustainable Development – an Indian perspective

Dr Faiq Billal – Morocco

- Renewable Energy Cooperation within ISESCO – States Members

Dr Sanaz Ghazi – Iran

- Review of Iran Renewable Energy Policy

Dr A Kaabi –Nejadian - Iran

- Solar Thermal Application in Iran

Mr Huang Ming- China

- Renewable Energy Program in China

Prof. Baizhan Li- China

Energy Saving through Building regulation in China

PROGRAM AT GLANCE

Time	Saturday 12	Sunday 13	Monday 14	Tuesday 15	Wednesday 16	Thursday 17	Friday 18
8:30 – 10:00	WREN Council Meeting	Gender & Energy Workshop	Plenary	Plenary	Plenary	Plenary	Public Day & WREN - ISES Workshop
			Coffee Break				
10:30 – 12:00			18 Sessions	18 Sessions	18 Sessions	18 Sessions	
			LUNCH BREAK				
14:00 – 15:30			18 Sessions	18 Sessions	18 Sessions	18 Sessions	
			Coffee Break				
16:00- 17:30			18 Sessions	18 Sessions	18 Sessions	18 Sessions	
17:30 – 19:00							
19:00 – 22:00	WREN Dinner	OPENING & Reception		Banquet	Social Event	CRES Social Event	

Among the Steering Committee

Mostapha Zaher, Afghanistan
 Mr M. Belhamel, Algeria
 H E Albert Santolaria, Andorra
 Mr John Jurgensen, Antigua and Barbuda
 Dr Carlos Labriola, Argentina
 Dr Karen Gambaryan, Armenia
 Prof Wasim Saman, Australia
 Dr Fuad Mammadov, Azerbaijan
 Mr Chales Bethel, Bahamas
 Prof W E Alnaser, Bahrain
 Prof. A K M. Sadrul Islam, Bangladesh
 Mr James Husband, Barbados
 Dr Evgeny Shirokov, Belarus
 Dr Katrien Marent, Belgium
 Dr Bridget Cullerton, Belize
 Joachim Salzonou, Benin
 H E Pema Gyamtsho, Bhutan
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 Mr Herman Coetzee, Botswana
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 Mr Oumar A Assidikh, Chad
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 Prof Dr Wenjing Wang
 Prof. Baizhan Li, China
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 H E Aboudou Soefo, Comoros
 Dr Jean Clautaire, Congo
 Prof S S Nandwani, Costa Rica
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 Mr Fouad Ahmed Aye, Djibouti
 Prof M Bolivar Rodriguez, Dominican Rep.

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 Dr Virginie Schwarz, France
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 Dr S O Sallah, Gambia
 Mr Levan Tavarkiladze, Georgia
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 Prof. P Yianoulis, Greece
 Mr Michael Pierre, Grenada
 Mr C O Fernandez, Guatemala
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 Prof Dr Kamaruddin Abdullah
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 Dr Sanaz Ghazi, Iran
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 Dr Paul R Brenner, Israel
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 Prof Arch Cettina Gallo, Italy
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 Prof Peteris Shipkovs, Latvia
 Dr. Ahmad Hourri, Lebanon
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 Dr James Kiazolu, Liberia
 Dr J, Jolita, Lithuania
 Dr Lucien Lux, Luxembourg
 Dr H Spasevska, Macedonia
 H E H Edmond, Madagascar
 Dr Bernard A Zingano, Malawi
 Data Kamaruzzaman Sopian
 Data MHY Othman, Malaysia

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 Mr Toure, Alamir Sinna, Mali
 Dr Mario Fsadni, Malta
 Mr Kabua, Kino S., Marshall Islands
 Mr C, S El Moctar, Mauritania
 Mr Sithanen, Rama Krishna, Mauritius
 Dr Helbert D Almeida Dominguez, Mexico
 Mr Yatilman, Andrew, Micronesia
 Mr Yatilman, Andrew, Moldova
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 Mr Lindeque, Malan, Namibia
 Mr Kun, Russ, Nauru
 Mr Khanal, R Prasad, Nepal
 Mr Jos Beurskens
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 Dr G Baird, New Zealand
 Mr A, Roberto, Nicaragua
 Dr Saley, Hassane, Niger
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 Ms Michaela Meir, Norway
 Dr Hilal Al-Hinai, Oman
 Mr Tajamul Hussain, Pakistan
 Mr BELLS, Youlsau, Palau
 Mr Mendoza, Lamed, Panama
 Mr I, Wari, Papua New Guinea
 Mr M, Adalberto, Paraguay
 Dr Vereauladd, Vanessa, Peru
 Mr Hillario, Davide, Philippine
 Prof Dr Dorota Chwieduk, Poland
 Mr Artur F Gregorio, Portugal
 Sh Dr Faleh Bin N Al Thani
 Dr A - Hamid M Marafia, Qatar
 Dr. Viorel Badescu, Romania
 Prof Anikiev Vladimir V.
 Dr Sergey M Karabanov, Russia
 Ms M, Rose, Rwanda
 Elisaia, Ali'ioigaFeturi, Samoa
 Dr Naif M Al-Abadi
 Dr Habib I Abualhamayel, Saudi Arabia
 Sylla, Ndiaye Cheikh, Senegal
 Mr Dulic, Oliver, Serbia
 Payet, Rolph, Seychelles

Squire, Chris B. Sierra Leone
 Dr Yaacob Ibrahim, Singapore
 Dr. Michal Ruzinsky, Slovakia
 Ms Ivana Bostjancic, Slovenia
 H E Oti, Patterson, Solomon Islands
 Mahamud, Osman Sheikh, Somalia
 Prof Dieter Holm
 Dr B M Taele, South Africa
 Prof. Alfonso Soler
 Prof Helena Coch Roura, Spain
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 James, George, St Lucia
 Mr Mohamed, Yassin Eisa,
 Prof Anwar El-Hadi, Sudan
 Mr Aroma, Haidey, Suriname
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 Mr Kolly, Thomas,
 Dr Wilhelm Durisch, Switzerland
 Mr Hassoun, Imad,
 Prof Dr Ali Hamzeh, Syria
 Mr Zikirov, Khursandkul, Tajikistan
 Mr Mugurusi, Eric, Tanzania
 Prof Fungtammasan Bundit, Thailand
 Hatedheema, NononSaa, Togo
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