

## Plenary lectures

1 - Renewable energy perspectives for Europe - from champion to laggard?

Rainer Hinrichs-Rahlwes\*

\*speaking author at European Renewable Energies Federation, Brussels, Belgium



**Rainer Hinrichs-Rahlwes**

Rainer Hinrichs-Rahlwes is a renewable energy expert with more than 20 years of professional and honorary experience. He is actively working for and promoting enabling policy frameworks and fair market conditions for a fully Renewables based energy system.

At present, he is a Vice-President of the European Renewable Energies Federation (EREF), after having served as the associations President from 2010 to 2014. He is representing EREF as a Steering Committee Member of the Global Policy Network for the 21<sup>st</sup> Century (REN21).

Rainer is also a Board Member of the German Renewable Energy Federation (BEE) and the Chairman of BEE's European and international affairs Committee. He is representing both EREF and BEE at the Global100%Renewables platform.

Representing EREF or BEE, or as a senior expert, Rainer is closely working with international institutions or association, such as the International Renewable Energy Agency (IRENA), e.g. representing EREF in IRENA's Coalition for Action, or with the International Energy Agency (IEA).

Rainer has been working with the World Renewable Energy Network (WREN) for more than a decade, at present serving as the network's Head of the Policy, Finance, Education and Sustainability Committee. In 2016, he was appointed as a member of WREN's Advisory Council. From 1998 to 2005, Rainer was a Director General in the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU). On behalf of the Ministry, he was a co-chair of the International Steering Committee (ISC) preparing the 1<sup>st</sup> International Renewable Energy Conference (IREC), the renewables2004 conference in Bonn, Germany. The ISC was later transformed to become REN21.

2 - Electricity storage: The solutions, challenges and opportunities in Belgium

Patrick Hendrick\*

\*speaking author at Université Libre de Bruxelles, Brussels, Belgium

3 - Advanced characterization of unconventional biomass fuels for ash related issues

Hervé Jeanmart\*

\*speaking author at Université Catholique de Louvain, Louvain-la-Neuve, Belgium

## Keynote lectures

1 - available for participants

2 - available for participants

3 - available for participants

4 - Advanced technologies for hydrogen production and separation

Wei-Hsin Chen\*

\*speaking author at National Cheng Kung University, Tainan, Taiwan

5 - Upgrading biomass pyrolysis vapors to hydrocarbon fuels

Kim Magrini\*, Mark Jarvis, Jess Olstad, Yves Parent, Steven Deutch, Kristiina Iisa

\*speaking author at National Renewable Energy Laboratory, Golden, USA

6 - available for participants

7 - Synthesis gas and hydrogen production from renewable resources through dry and steam reforming of methane with a newly patented catalyst derived from a negative value mining residue spinellized with nickel

Mostafa Chamoumi, Nicolas Abatzoglou\*

\*speaking author at Université de Sherbrooke, Sherbrooke, Canada

8 - A modular TLP-design for offshore wind turbines

Frank Adam\*, Daniel Walia, Hauke Hartmann, Paul Schünemann, Uwe Ritschel

\*speaking author at University of Rostock, Rostock, Germany

9 - available for participants

10 - Enhancement of the efficiency of the biogas process by the separation of during the process formed fatty acids

Thorsten Jänisch\*

\*speaking author at Fraunhofer ICT, Pfinztal, Germany

11 - Achieving negative carbon emissions by using small- and large-scale gas turbines: bioenergy with carbon capture and sequestration

Simone Giorgetti\*, Ward De Paepe, Laurent Bricteux, Francesco Contino, Alessandro Parente

\*speaking author at Université Libre de Bruxelles, Brussels, Belgium

12 - available for participants

13 - Global solar PV technologies, markets and opportunities

Michel Huart\*

\*speaking author at University of Brussels and APERE asbl, Brussels, Belgium

14 - Drying characteristics and kinetics of solar drying of stevia leaves

Nadia Hidar\*, Lamyae Lahnine, Safa Mghazli, Ali Idlimam, Abderrahim Jaouad, Mohamed Bouchdoug, Mostafa Mahrouz\*

\*speaking authors at Cadi Ayyad University, Marrakesh, Morocco

15 - available for participants

16 - Wave energy, importance of control and power capture performance improvements

Hakan Yavuz\*

\*speaking author at Çukurova University, Adana, Turkey

17 - Bioelectrochemical systems: The new paradigm for energy recovery and chemical production

Deepak Pant\*

\*speaking author at Flemish Institute for Technological Research (VITO), Mol, Belgium

18 - Opportunities and challenges of renewable energy business in developing countries

Wojciech Budzianowski\*

\*speaking author at Wojciech Budzianowski Consulting Services, Wrocław, Poland

**Oral lectures** and **short communications** will be presented in Call for abstracts before the conference