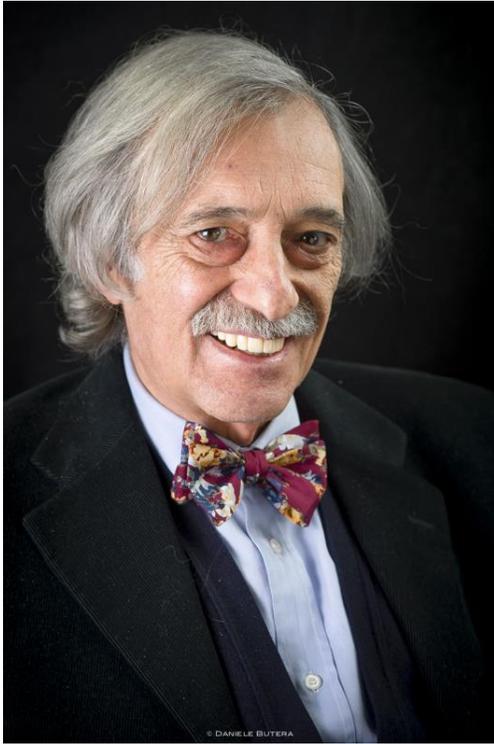


## Invited CV & Title

### Professor Federico Butera



Federico M. Butera, professor emeritus, Politecnico di Milano.

For more than 40 years he has been active in the fields of solar energy applications, low energy architecture and sustainable urban development.

He has been involved in many research tasks of the International Energy Agency, as well as in several EU research programs and in UN projects dealing with renewables and efficient use of energy at building and community scale.

He has also been involved in the design of low and zero energy buildings and communities in Italy, China, Hungary and Niger.

He is author of more than 200 scientific publications and 11 books.

He was awarded: “Pioneer for contributions in renewable Energy” by the World Renewable Energy Network in 1998; by Eurosolar in 2004 for his “outstanding service to the utilization and promotion of Renewable Energies and Sustainable Architecture”, by PLEA in 2015 as Pioneer in

Passive and Low Energy Architecture.T

**Title: Sustainable neighbourhood design in tropical climates  
Federico M Butera, Milan, Italy**

## Professor Ali Sayigh



UK Citizen, Graduated from London University, & Imperial College, BSC.AWP, DIC, PhD, in 1966. He is Fellow of the Institute of Energy, and Fellow of the Institution of Engineering & Technology, Chartered Engineer, Chairman of Iraq Energy Institute.

Prof Sayigh taught in Iraq, Saudi Arabia, Kuwait, Reading University and University of Hertfordshire From 1966 – 2004. He was Head of Energy Department at Kuwait Institute for Scientific Research (KISR) and Expert in renewable energy at AOPEC, Kuwait from 1981-1985.

He started working in solar energy in September 1969. In 1972, he established “The Journal of Engineering Sciences” in Riyadh, Saudi Arabia and in 1984 he established International Journal for Solar and Wind Technology, as an Editor-in-Chief. This has changed its name in 1990 to Journal of Renewable Energy. He is editor of several International journal published in Morocco, Iran, Bangladesh, Nigeria and India. He

established WREN and the World Renewable Energy Congress in 1990. Member of various societies related to climate change and renewable energy.

He was consultants to many national and international organizations, among them, the British Council, ISESCO, UNESCO, UNDP, ESCWA, & UNIDO. He run conferences in 51 different countries, published more than 600 papers and associated in 65 books. He supervised more than 80 M Sc. and 35 PhD students. He is editor-in-chief of famous Renewable Energy Magazine, RE and the year, since 2000. He is the founder of WREN – Renewable Energy Journal published by Elsevier & was the Editor-in-chief from 1984 – 2014.

He is the Editor-in-chief of Comprehensive Renewable Energy coordinating 154 top scientists, Engineers and researchers’ contribution in eight volumes published in 2012 by Elsevier which won 2013 PROSE award in USA. He is the founder of Med Green Forum and in 2016 he established peer review international open access journal called “Renewable Energy and Environmental Sustainability” which published in English on line by EDP publisher in Paris.

**Title: Reduction of Climate Change Effect by legislating the use of Photovoltaics in Buildings**  
**Ali Sayigh, Brighton, UK**

## **Dr Sarah Abdourraziq**



Sarah Abdourraziq has a PhD, MSc and BSc in Industrial Engineering from Sciences and Technologies Faculty in Fez, Morocco 2011. & 2015. She is currently an authority on PV Solar Pumping. Her PhD was awarded from the electrical engineering department, LESSI Laboratory, at Sidi Mohamed Ben Abdellah University. Her research study was based on the improvement and optimization of the efficiency of the water pumping systems driven by the photovoltaic systems. Photovoltaic pumping has become one of the most promising fields in photovoltaic applications. She works in the modeling of the system, and the improvement of the efficiency of each component of the system (MPPT Command, Inverter, Motor-Pump group and PV panel sizes). Dr Abdourraziq is a member of WREN Council.

**Title: Renewable Energy in Morocco: PV Water Pumping System application  
Sarah Abdourraziq, Rachid El Bachtiri, Morocco**

## Mr Rainer HINRICHS-RAHLWES



Rainer Hinrichs-Rahlwes is an experienced renewable energy expert. In May 2014, he was elected Vice-President of EREF (European Renewable Energies Federation), the voice of independent producers of energy from renewable sources, after serving as EREF's President for four years (2010 – 2014) and as a Vice-President (2008 – 2010) and a Board Member (2006 – 2008). He also was the President of the European Renewable Energy Council (EREC) from June 2012 until EREC's dissolution in March 2014. He has been a Board Member and the spokesperson for European and International Affairs for BEE (the German Renewable Energy Federation) since 2006. Rainer has been actively involved in shaped the EU's Renewable Energies Directive and 2020 Climate and Energy Framework and he is now focussing on advocating for stable and reliable framework for 2030.

Mr. Hinrichs-Rahlwes is representing EREF in the Steering Committee of REN21 – the global policy network for the 21<sup>st</sup> century, and he is a Member of the Council of the World Renewable Energy Network (WREN) and presently serving as WREN's head of policy committee. He has been in close contact with the International Renewable Energy Agency (IRENA) and the International Energy Agency (IEA) for nearly a decade. On behalf of EREF and as a member of the International Solar Energy Society (ISES), Rainer has been closely cooperating with the Global 100% Renewables campaign.

Before engaging with the renewable energy sector, Rainer Hinrichs-Rahlwes served as a Director General and Deputy State Secretary in the German Federal Ministry for the Environment, Nature Protection and Nuclear Safety from 1999 to 2005 he was a. In the ministry he was in charge of – among other things – financing mechanisms, renewable energies and the national climate protection programme. He was one of the two chairmen of the International Steering Committee preparing the Bonn renewables2004 conference. After the conference, he engaged in the follow-up process as member of the Steering Committee and the Bureau of REN21 (the Renewable Energy Policy Network for the 21<sup>st</sup> Century), which was founded as one of the outcomes of renewables2004.

Before being appointed Director General in the Federal Ministry of Environment, he held several post in the government administration and as parliamentary advisor and assistant in of the German Federal State of Lower Saxony.

Rainer Hinrichs-Rahlwes graduated from the University of Göttingen with a degree in French Language and in Political Science in 1979.

**Title: Recent development of Renewable Energy Policies in Europe.  
Rainer Hinrichs-Rahlwer, Berlin, Germany**

