



World Renewable Energy Congress XVI

# Transition towards 100% Renewable Energy



Murdoch University, Western Australia

5-9 February, 2017

Conference Chair: Prof. Ali Sayigh, DG WREN  
Vice-Chair: Dr. Martin Anda, Murdoch University

Sponsors:



# Welcome

**Dr Martin Anda**  
Conference chair



Welcome to the World Renewable Energy Congress 2017 to be held in Perth, Western Australia on 5 – 9 February at Murdoch

University. What an exciting time to be sharing ideas, presenting the latest research findings and discussing new renewable energy science and technology when local and global policy directions in many places are more promising than ever even though there have been setbacks in some countries.

I would like to take this opportunity to thank our many great colleagues on the Executive Committee, National Committee and International Committee who are now working enthusiastically to develop an exciting program of keynote and invited speakers, site visits, technical tours and a detailed technical program.

When you come to Perth in February 2017 you will be able to visit a city in transition to renewable energy with many great new initiatives in solar power, wave energy and wind farms as well as leading edge technology for biomass conversion and bioenergy systems. You will meet the policy leaders, great thinkers and successful scientists and project developers to share your ideas with and I look forward to meeting you also. Please do not hesitate to contact me or my colleagues for any further information.

## Overview

At no time has energy played a more crucial role in the development and well being of nations than at present. The source and nature of energy, the security of supply and the equity of distribution, the environmental impact of its supply and utilization, are all crucial matters to be addressed by suppliers, consumers, governments, industry, academia, and financial institutions.

The World Renewable Energy Congress (WREC) is a major recognised forum for networking between these sectors and addresses these issues through regular meetings, exhibitions, and conferences such as WRECXVI.



## Conference topics

- Biofuels and energy from waste
- Energy from biomass
- Carbon neutral economy
- Climatic and environmental issues
- Co-generation and tri-generation
- Decarbonising cities and regions
- Economics of renewable energy
- Electric vehicles
- Energy policy
- Energy storage
- Governance for low carbon communities and infrastructure
- Hydrogen and energy storage
- Low energy architecture
- Manufacturing issues and emissions trading
- Geothermal energy
- Photovoltaic technologies
- Remote area power supplies (RAPS)
- Renewable energy and transport
- Renewable energy for sustainable development
- Renewable energy integration, water and energy nexus
- Rooftop solar
- Smart grids
- Wind, wave and tidal energy
- Zero carbon urban design

## Host venue

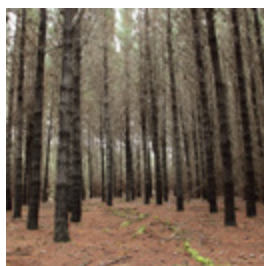
The conference will be hosted by Murdoch University situated in the southern suburbs of Perth, Western Australia, only 12 minutes by train from the centre of the city and a short bus ride from the popular tourist destination of Fremantle. The University has excellent conference, exhibition facilities and catering facilities which enable delegates to maximize their time during the conference.

Perth itself is a vibrant and energetic city set on the banks of the spectacular Swan River and offers a truly unique experience. It is Australia's sunniest capital city and the fastest growing urban centre, offering cultural diversity and sophistication combined with a relaxed and friendly vibe. Beyond Perth, delegates can choose to experience the breathtaking and unparalleled beauty of the natural attractions in the regional areas of Western Australia.

## Participation

This conference will bring together representatives of those involved in the supply, distribution, consumption and development of sustainable energy sources which are benign, accessible and economically viable.

WREC2017 will enable policy makers, researchers, manufacturers, economists, financiers, sociologists, environmentalists and others to present their views in plenary and technical sessions and to participate in formal and informal discussions, thus facilitating the transfer of knowledge between nations, institutions, disciplines and individuals. COP21 in Paris recently signalled the increasing importance of renewable energy, but much effort is still required to make it a major global energy supplier.







## Publication

All papers submitted by the appointed deadline, and in the correct format, will be reviewed by the academic review board for publication in a Renewable Energy international journal published by Elsevier, or equivalent high impact journal.

## Registration

To register for WREC 2017 go to [www.wrec2017.com](http://www.wrec2017.com)

The registration fee includes: conference attendance, conference papers, welcome and closing function, lunches, morning and afternoon refreshments, and conference gala dinner.

A selection of free field trips will be offered during the conference and will be included in the registration fee. There will be a post conference technical tour to Rottnest Island which will incur a nominal additional charge of AUD\$100.

Fees may be paid by credit card, bank cheque/draft, and payable to Promaco Conventions.

See table of fees below.

## Fees

REGISTRATION (including conference dinner and lunches)	Until 1 August 2016	Until 1 October 2016	Until 1 January 2017	Final Registration 5/6 February, 2017
Student	AUD\$400	AUD\$400	AUD\$500	AUD\$500
WREN Member Retired unemployed	AUD\$400	AUD\$500	AUD\$600	AUD\$600
Invited Speaker	AUD\$400	AUD\$500	AUD\$600	AUD\$ 700
Regular	AUD\$600	AUD\$800	AUD\$1,000	AUD\$1,500
Day registration	AUD\$200/day (inc. lunches, conference dinner pay on registration)			
Students, unemployed and retired (excluding conference dinner and lunches)	Full conference \$200			
	\$75/day			

## Conference features

### Networking and social functions

The conference offers several networking and social functions. A welcome reception on the first evening will enable participants to meet other delegates as they will at the conference dinner.

### Free field visits

#### Afternoon, Tuesday 7th February

The conference will offer several field visits to choose from free of charge. Each stream will be guided by experts and give participants a unique opportunity to experience the practice and implementation of local technologies.

### Public meeting

#### Evening, Sunday 5th February

The conference will host a public meeting with speakers from various regions. As a public event this will give the local population an opportunity to participate in the meeting and interact with the conference delegates.

## Accommodation

Promaco Conventions have reserved a number of accommodations. The university has a number of low-cost student apartments available, and the Port City of Fremantle and Perth city provide a wide variety of hotels. We encourage delegates to book accommodation through Promaco when registering to get the most competitive rates.

## Important dates

Abstracts due:	1 July, 2016
Acceptance of abstract:	15 July, 2016
Web hot registration:	until 1 Aug, 2016
Earlybird registration:	until 1 Oct, 2016
Standard registration:	until 1 Jan, 2017
Final registration:	after 2 Jan, 2017
Submission of full papers:	by 15 Jan, 2017

Conference Chair: Prof. Ali Sayigh, *DG WREN*

Vice-Chair: Dr. Martin Anda, *Murdoch University*

## Local Executive Committee

Mr Raoul Abrutat, *Solarmatrix*  
Dr Martin Anda, *Murdoch University (Chair)*  
Dr Martin Brueckner, *Murdoch*  
Mr Simon Dawkins, *Oil Mallee Australia*  
Mr Geoff Down, *Water Corporation*  
Dr Xianpeng Gao, *Murdoch University*  
Dr David Goodfield, *Murdoch University*  
Dr Yvonne Haigh, *Murdoch University*  
Dr Don Harrison, *Murdoch University*  
Prof. Goen Ho, *Murdoch University*  
Prof. Phillip Jennings, *Murdoch University*  
Dr Mr Ishaan Khanna, *Western Power*  
Dr Navid Moheimani, *Murdoch University*  
Dr Kuruvilla Mathew, *Murdoch University*  
Dr Shaji Mathews, *AICA Energy*  
Prof. Chem Nayar, *Regen Power*  
Dr GM Shafiullah, *Murdoch University*  
Dr Tania Urmee, *Murdoch University*

## National Committee

Prof. Kamal Alameh, *Edith Cowan University*  
Mr Glen Conway, *AECOM Sydney*  
Dr Richard Corkish, *UNSW*  
Dr Renate Egan, *UNSW, APVI*  
Mr Lyndon Frearson, *CAT*  
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Prof. David Hood, *Beyond Zero Emissions*  
Prof. Jai Singh, *Charles Darwin University*  
Dr Igor Skryabin, *ANU*  
Mr Mark Stickells, *UWA*

## International Committee

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Prof. Ruzhu Wang, *China*  
Dr Christopher Yap, *Singapore*  
Prof. Panayiotis Yianoulis, *Greece*  
Dr Alex Zahnd, *Nepal*  
Prof. Willem Zeiler, *Netherlands*

## Keynote Speakers

Dr Peter Mayfield, *CSIRO Energy*  
Prof. Peter Newman AO, *Curtin University*  
Dr David Renne, *Global Solar Council, President ISES, USA*  
Prof. Federico Rosei, *University of Quebec*  
Prof. Abubakar Sambo, *World Energy Council, Nigeria*  
Prof. Ali Sayigh, *Director General WREN, UK*

## Invited Speakers

Dr Venkatachalam Anbumozhi, *ERIA Indonesia*  
Adj. Prof. Garry Baverstock AM, *Innovate Australia Ltd*  
Prof. Michael Borowitzka, *Murdoch Algae R & D, Tasmania*  
Prof Craig Buckley, *Curtin University*  
Mr Josh Byrne, *JB & Associates*  
Adj. Prof. Craig Carter, *Murdoch University*  
Ms Jemma Green, *Curtin University*  
Prof. Paul Hardisty, *CSIRO – Land & Water*  
Prof. David Harries, *Energy Made Clean*  
Prof. Runa Hellwig, *Augsburg University, Germany*  
Prof. David Hood AM, *Beyond Zero Emissions*  
Mr Angus King, *SEN*  
Mrs Monica Oliphant AO, *ISES Australia*  
Mr Ben Rose, *SEN*  
Prof. Wasim Saman, *Uni of South Australia*  
Dr Arifeen Wahed, *SERIS Singapore*  
Prof. Ray Wills, *FutureSmart*  
Prof. Ahmad Zahedi, *James Cook University*

## Advisory Panel

Prof. George Baird, *New Zealand*  
Prof. Rebecca Chui, *China*  
Prof. Bernard Frankovic, *Croatia*  
Prof. HP Garg, *India*  
Prof. Plamen Gramatikov, *Bulgaria*  
Prof. Helmut Mueller, *Germany*  
Prof. Avigad Vonshak, *Israel*

## For further information

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