

World Renewable Energy Congress – Australia 2013

International Conference on Renewable Energy for Sustainable Development and Decarbonisation

Conference Program

Sunday 14 July 2013

Time	Event
9:00AM	Pre Conference One Day Tour starts from Murdoch University
4:30PM	Registration starts at Fremantle Town Hall
5:30PM	Public Meeting (Fremantle Town Hall) – Renewable Energy: No Joke? Facilitator: Mr Jon Doust, Comedian and Author Chairperson: Ms Kirsten Rose, CEO, Sustainable Energy Association of Australia Welcome: Mayor Dr Brad Pettit, Fremantle Western Australia Speakers <ol style="list-style-type: none">1. Prof Ray Wills, Director, Duda & Wills2. Prof Ali Sayigh, Director General, World Renewable Energy Network3. Prof Peter Newman, Director, Curtin University Sustainability Policy Institute

Monday 15 July 2013

Time	Event
8:00AM	Registration ECL Atrium , Murdoch University
9:00AM	<p>Conference Inauguration ECL 1, Murdoch University Chair: Dr Martin Anda, Murdoch University Welcome to Country: Mrs Marie Taylor, Aboriginal Noongar Elder Welcome from Murdoch University: Prof Richard Higgott, Vice Chancellor, Murdoch University Welcome from WREN: Prof Ali Sayigh, Director General, World Renewable Energy Network Message from Western Power: Mr Phil Southwell, General Manager, Corporate Engagement, Western Power Inaugural Speech: Senator Scott Ludlam, Australian Greens Senator for Western Australia</p>
9:45AM	<p>Keynote Speeches ECL 1, Murdoch University</p> <ol style="list-style-type: none"> 1. Prof Ali Sayigh, <i>Director General, World Renewable Energy Network</i> Progress And Innovative Applications In Renewable Energy 2. Prof Peter Newman, <i>Curtin University Sustainability Policy Institute, Australia</i> The Rise and Rise of Renewable Cities
10:30AM	Exhibition Opening and Morning Refreshments
11:00AM	<p>Common Session 1 (ECL 1) Topic: Is Renewable Energy Sustainable? Chair: Mr Glen Holland, <i>SunWise Electrics, Australia</i></p> <ol style="list-style-type: none"> 1. Prof Paul Hardisty, <i>CSIRO, Australia</i> Is Renewable Energy Sustainable? An Environmental, Social and Economic Perspective 2. Prof Ray Wills, <i>Duda & Wills, Australia</i> Clean Tech And Social Media - How Quickly Will They Change The World?

11:50AM	Parallel Sessions 1			
Session 1A (ECL1) Topic: Policy Case Studies Chair: Ms Kirsten Rose Dr Ali Asheibi The Renewable Energy in Libya: Present Difficulties and Remedies Ms Genevieve Simpson Australia's Renewable Energy Target – Judgments on Policy Development Processes Mr Vidya Amarapala Reality in Evacuation of Renewable Energy	Session 1B (ECL2) Topic: Decarbonising Nations Chair: Mr David Goodfield Dr Amzad Hossain Decarbonising Bangladesh Ms Talia Raphaely Decarbonising through flexitarianism	Session 1C (ECL3) Topic: Fuel from Waste Chair: Prof Goen Ho Mr Harwin Saptoadi Gasoline Like Fuel From Simple Pyrolysis Of Plastics Waste Mr Mohd Shaharin Umar Renewable Energy from Palm Oil Wastes in Malaysia	Session 1D (ECL4) Topic: Transport Chair: Prof Dora Marinova Assoc Prof Ahmad Zahedi Electric Vehicle Batteries as Distributed Energy Storage within Mini-Grid Mr Donald McPhall Evaluation of DC Fast Charger With Energy Storage System for Demand Charge Reduction and Ancillary Services Miss Gao Yuan Pathways towards Low-carbon Transport in Urban China: Response to Climate Change	
12:45PM	Lunch Break			
1:30PM	Common Session 2 (ECL 1) Topic: Sustainable Built Form Chair: Mr Tim Barling, <i>Sustainable Energy Now, Australia</i> 1. Mr Garry Baverstock, <i>Solar-e, Australia</i> De-Carbonising Cities with Sustainable Architecture			

	<p>2. Mr Steve Gates, <i>Sustainable Energy Now, Australia</i> Study: 100 Percent Renewable Energy On W. Australia's SWIS Electricity Grid, 2029</p>		
2:15PM	Parallel Sessions 2		
<p>Session 2A (ECL1) Topic: Energy Efficient Buildings Chair: Dr Don Harrison</p> <p>Ms Samantha Hall Development Of A Multi-Nodal Tool To Improve The Energy Performance Of Existing Buildings</p> <p>Mr Nuttaphon Boonyarangkavorn Thermal Modelling For Control Of Hybrid Ventilation In Buildings</p> <p>Prof Helmut Mueller Building Integration Of Non-Tracking Systems For Sunlight Redirection</p>	<p>Session 2B (ECL2) Topic: Carbon Neutral Chair: Ms Maedeh Pakzad Shahabi</p> <p>Mr David Goodfield Carbon Neutral Mine Site Villages: Myth or Reality?</p> <p>Mr Baohui Zhao Decarbonizing The Bathhouse Industry In Tianjin Of China</p> <p>Mr Phill Raso How Prepared Are Schools In Western Australia For A Low Carbon Future?</p>	<p>Session 2C (ECL3) Topic: Biofuels and Municipal Waste Chair: Dr Jaya Nair</p> <p>Dr Asharf Mansour Waste Recycling/Reuse and Renewable Energy as Tools for Sustainable Building Construction.</p> <p>Mr Nelson Abila Managing Municipal Wastes for Energy Recovery in Nigeria</p> <p>Ms Daniela Mortari The Kinetic Study of Co-firing Sugarcane Bagasse and Blends With Two Different Coals in O₂/N₂ and O₂/CO₂ atmospheres</p>	<p>Session 2D (ECL4) Special Meeting on: Issues of Developing Countries Chair: Prof George Varghese</p> <p>Dr Uday Bhawalker (India)</p> <p>Mr Praveen Kumar Ramanujam (India)</p> <p>Mr Harwin Saptoadi (Indonesia)</p> <p>Dr Joseph Kenfack (Cameroon)</p>
3:00PM	Coffee Break		

3:30PM	Common Session 3 (ECL 1) Topic: Bio Fuels and Green Energy Technologies Chair: Mr Scott Davis, Horizon Power, Australia <ol style="list-style-type: none"> 1. Prof Michael Borowitzka, Murdoch University, Australia Sustainable Biofuels Production From Microalgae 2. Mr Simon Dawkins, Oil Mallee Australia, Australia Regional Bioenergy in Australia: Themes And Drivers in The WA Wheat Belt 3. Prof Pogaku Ravindra, University Malaysia Sabah, Malaysia Green Energy Based Technologies for Sustainable Process Development. 		
4:40PM	Parallel Sessions 3		
Session 3A (ECL1) Topic: Biomass Yield and Optimisation Chair: Dr Uday Bhawalker Dr Greg Griffin Catalytic Pyrolysis Of Sugar Cane Bagasse To Increase Char Yield Ms Nhu Diep Potential For Rice Straw Ethanol Production In The Mekong Delta, Vietnam	Session 3B (ECL2) Topic: Commercial and Industrial Decarbonisation Chair: Ms Vanessa Rauland Mr David Galloway How To Design a Sustainable Heavy Industrial Estate Dr Wen Tong Chong Design Of An Exhaust Air Energy Recovery Wind Turbine Generator For Energy Conservation In Commercial Buildings	Session 3C (ECL3) Topic: Biomass Systems Chair: Prof Richard Harper Dr David Parlevliet Efficient Conversion of Solar Energy to Biomass and Electricity Prof Ihab Farag Microalgae For Sustainable Biodiesel And Bio-Jet Fuels Production And Decarbonization	Session 3D (ECL4) Topic: Integrated Systems Chair: Ms Jessica Bunning Dr Nazim Baluch Bio-WRAP Model: A Propitious Green Power & Transport Theorem for Guyana Dr Henri El Zakhem Renewable Energy Sources For Lebanon: A Focus On Geothermal Energy And Waste-To-Energy Strategies

<p>Mr Romulo Ely Income, Labour and CO₂eq Emissions Multipliers from Sugarcane Bagasse Derived-Bio refineries in Sao Paulo, Brazil</p>	<p>Dr Martin Anda Carbon Neutral Settlements: The Role Of Renewable Energy</p> <p>Dr Samuel Gyamfi Evaluation of Energy Efficiency and Renewable Energy Generation Opportunities for Small Scale Dairy Farms: A Case Study in Prince Edward Island, Canada</p>	<p>Dr Navid Moheimani Saline Algae Cultures for Biofuel Production</p>	<p>Mr Praveen Kumar Ramanujam Development of Integrated Bio refineries For Communal Waste</p>
--	--	---	--

Tuesday 16 July 2013

<p>8:45AM</p>	<p>Common Session 4 (ECL 1) Topic: Renewable Energy Policy and Commercial Applications Chair: Mr Simon Dawkins, Oil Mallee Australia, Australia</p> <ol style="list-style-type: none"> Mr Mark Fulton, Sustainability Advisor - Proudly brought to you by Australian Renewable Energy Agency (ARENA) Renewable Energy Policy Challenges Mr Glen Holland, SunWise Electrics, Australia The Significant Benefits Of Hydrocarbon Refrigerant; How To Achieve 20% Reduction In Refrigeration Costs & 95% Reduction In Global Warming Potential 		
<p>9:30AM</p>	<p>Parallel Sessions 4</p>		
<p>Session 4A (ECL1) Topic: Solar Thermal Design And Application Chair: Prof Philip Jennings</p> <p>Prof A Sreekumar Investigation On A PCM Integrated Forced Circulation Indirect Solar Cabinet Dryer</p> <p>Mr Juergen Peterseim Low Cost Concentrated Solar Power Through Hybridization</p> <p>Mrs Hasila Jarimi Design Concept And Mathematical Model Of A Bi-Fluid Photovoltaic/ Thermal (PV/T) Solar Collector</p>	<p>Session 4B (ECL2) Topic: Decarbonisation Policy Chair: Mr David Galloway</p> <p>Miss Vanessa Rauland Certifying Low Carbon Land Development</p> <p>Mr Christopher Beaton and Mrs Jennifer Harrison Towards a Clean Energy Future: A Local Government Perspective</p> <p>Ms Jessica Bunning Governance For Decarbonising Cities And Regions</p>	<p>Session 4C (ECL3) Topic: Energy Storage Chair: Mr Praveen Kumar Ramanujam</p> <p>Mr Daniel Chade Evaluation Of Raney Nickel Electrodes Prepared By Atmospheric Plasma Spraying For Alkaline Water Electrolysers</p> <p>Mr Laurent Bridier Optimal Design Of A Storage System Coupled With Intermittent Renewables</p> <p>Prof Ray Wills Distributed Or Utility Scale Storage?</p>	<p>Session 4D (ECL4) Topic: Geothermal Energy Chair: Mr Harwin Saptoadi</p> <p>Dr Georgious Florides Vertical And Horizontal Ground Heat Exchanger Modeling</p> <p>Prof Camilo Andrés Arias Henao Earth Heat Exchangers Potential For Equatorial Regions</p> <p>Mr Cheng Zhou Geothermal Assisted Coal-Fired Power Generation: An Australian Case Study</p>

10:30AM	Coffee Break		
11:00AM	Common Session 5 (ECL 1) Topic: Solar Thermal and Zero Carbon Development Chair: Mr Garry Baverstock, Solar Energy Council, Australia <ol style="list-style-type: none"> Prof Soteris Kalogirou, Cyprus University of Technology, Cyprus Flat-Plate Collector Construction And System Configuration To Optimise The Thermosiphonic Effect Prof Wim Zeiler, Eindhoven University of Technology, Netherlands Nearly Zero-energy offices & schools: the latest developments in the Netherlands on sustainable building 		
11:40AM	Parallel Sessions 5		
Session 5A (ECL1) Topic: Solar Thermal Optimisation Chair: Dr Joseph Kenfack Dr Noel Barton Life Cycle Assessment for BRRIMS Solar Power Prof Soteris Kalogirou Investigation Of The Parameters Affecting The Thermosiphonic Phenomenon in Solar Water Heaters Dr Anand Veeraragavan Storage Integrated Thermophotovoltaics (SISTPVs)	Session 5B (ECL2) Topic: Zero Carbon Urban Development Chair: Prof George Hanna Mr Colin Beattie Decarbonising New City Precincts Mr Stephen Berry Do The Numbers Stack Up? Lessons From A Zero Carbon Housing Estate Prof Theocharis Tsouttsos Net Zero Energy Buildings (NZEB) Application in Mediterranean Hotels	Session 5C (ECL3) Topic: Remote Area Power Supply Chair: Dr Richard Corkish Mr Craig Chambers An Overview Of The Business Case, Challenges And Opportunities For Solar In Remote Communities And Mining Industry Within Australia. Ms Leslie Schulte Production Of Fatty Alcohols From Methyl Esters In An Integrated Bio Refinery	Session 5D (ECL4) Topic: Thermal Systems Chair: Dr Lisa Lamont Mr Max Ploumis Optimising Geothermal Heat Pumps Systems For Commercial Applications Mr Tshewang Lhendup Thermal Charging of Boreholes Dr Didarul Islam Optimum Cavity Receiver For Concentrated Solar Power Generation by Stirling Engine Using a Heat Pipe Receiver

		Mr Kyle Probst Microbial Bioprocessing for the Conversion of Low-Valued Inputs to Biofuels and Platform Chemicals	
12:30PM	Lunch Break		
1:30PM	Buses leave for Local Technical Tours		
6:30PM	Conference Dinner at Fremantle Sailing Club		
10:00PM	Bus to Murdoch University and Murdoch Train Station		

Wednesday 17 July 2013

<p>8:45AM</p>	<p>Common Session 6 (ECL 1) Topic: Photovoltaics and Ocean Power Chair: Dr Trevor Pryor, Murdoch University, Australia</p> <ol style="list-style-type: none"> 1. Prof Chem Nayar, Regen Power, Australia Solar Powered Drinking Water for Remote Communities 2. Dr Laurie Mann, Carnegie Wave Energy, Australia Opportunities and Challenges for Ocean Renewable Energy in the Twenty-First Century 		
<p>9:30AM</p>	<p>Parallel Sessions 6</p>		
<p>Session 6A (ECL1) Topic: Photovoltaic Case Studies Chair: Prof Pogaku Ravindra</p> <p>Mr Oscar Arteaga Perth Solar City PV Saturation Trial Evaluation Results</p> <p>Dr Sinisa Djordjevic Detectable Faults On Recently Installed Solar Modules In Western Australia</p> <p>Mr Chang-Yeol Yun Assessment Of Solar Energy Potential Using GIS In Korea</p>	<p>Session 6B (ECL2) Topic: Greenhouse Gases Chair: Prof Soteris Kalogirou</p> <p>Dr Jonathan Leaver Influence Of Electric Vehicles On Greenhouse Gas Emissions In The Energy Sector Of New Zealand</p> <p>Prof Dora Marinova The Role Of Clean Development Mechanism In The Emerging Global Green System Of Innovation: The Cases Of India And China</p> <p>Ms Maedeh Pakzad Shahabi Estimation Of Lifecycle Greenhouse Gas Emission For Reverse Osmosis</p>	<p>Session 6C (ECL3) Topic: Integrated Smart Homes Chair: Prof Wim Zeiler</p> <p>Mr David Beyer Smart Grid Integrated Smart Homes: Renewable Energy Storage And Peak Load Management</p> <p>Mr Steve Baker Reducing Peak Electrical Demand Through Demand Response Of Residential Air Conditioners – Findings Of An Opt-In Trial</p> <p>Ms Jemma Green Sustainable And Affordable Housing: The Impossible Australian Dream?</p>	<p>Session 6D (ECL4) Topic: Efficiency And Reliability Chair: Mr David Weinholz</p> <p>Dr Iana Vassileva Increasing Energy Efficiency In Low Income Swedish Households Through Targeting Awareness And Behavior</p> <p>Mr Azharul Karim Reliability Model For Solar Energy Systems</p> <p>Ms Merve Nazli Borand Review: Comparison Of Pretreatment Methods For Bioethanol Production</p>

	<p>Desalination Plants: Comparison Between Large And Small Scale Systems</p> <p>Mr Andrew McGowan Nitrous Oxide Emissions In Bioenergy Cropping Systems: Implications For Life Cycle Assessment</p>		<p>Mr Michael Heidlage Hydrotreating of Fast Pyrolysis Oil with Catalytic Integral-Asymmetric membranes at Mild Conditions</p>
10:30AM	Coffee Break		

11:00AM	<p>Common Session 7 (ECL 1) Topic: Smart Grid and Smart Housing Chair: Mr Mike Davidson, Western Power, Australia</p> <ol style="list-style-type: none"> Dr Lisa Lamont, Mott MacDonald Limited, UK Future paths of Renewable Energy and Smart Grid Technologies Mr Josh Byrne, Josh Byrne & Associates, Australia Energy Efficiency in a 10 Star Housing Project
----------------	--

11:45AM	Parallel Sessions 7			
<p>Session 7A (ECL1) Topic: Photovoltaic Applications Chair: Assoc Prof Ahmad Zahedi</p> <p>Dr Tamali Mohammed Solar Pumping For Environmental Optimization Of Energy In An Electrical Network</p>	<p>Session 7B (ECL2) Topic: Wind Energy Conversion Chair: Ms Samantha Hall</p> <p>Mr David Pryke A Wind R-Evolution: Pathways To A Sustainable Energy Future</p>	<p>Session 7C (ECL3) Topic: Micro Grid And LV Chair: Mr Craig Chambers</p> <p>Prof Wim Zeiler A Micro Grid Strategy For Process Control On Room Level; Necessity For A Smart Connection Between</p>	<p>Session 7D (ECL4) Topic: Smart Metering And Behavioral Change Chair: Mr Oscar Arteaga</p> <p>Mr Jai Thomas The Perth Solar City Powershift Trial - Using Time Of Use Tariffs</p>	

<p>Mr James Hazelton The Risks And Rewards In PV-Hybrid Minigrid Technology</p> <p>Mr Kanzumba Kusakana Design Of A Photovoltaic-Wind Changring Station For Small Electric Tuk-Tuk In D.R.Congo</p>	<p>Mr Matthew Lennie Analysis Of The Conversion Of Ocean Wind Power Into Hydrogen</p> <p>Mr Marek Kubik Assessing The Robustness Of Northern Ireland Against Swings In Wind Generation.</p>	<p>Building And Smart Grid</p> <p>Mr David Weinholz and Mr Mohamed Miyanji Utilization Of Smart Meter Voltage Readings To Validate Network Models And Improve The Capacity Of LV Networks To Support Distributed Generation And Electric Vehicles</p> <p>Prof Chem Nayar Energy Security In Small Islands And Remote Communities Through Innovative Micro-Grid Systems</p>	<p>To Shift Peak Electricity Demand Of Residential Households</p> <p>Mr Justin Temmen Advanced Metering For Residential Energy Efficiency: The Use Of Community Based Social Marketing For Behavioral Change</p> <p>Mr Javier Campillo Economic Impact Of Dynamic Electricity Pricing Mechanisms Adoption For Households In Sweden</p>
12:45 PM	Lunch Break		
1:30PM	<p>Common Session 8 (ECL 1) Topic: Investment Viability and Economics Chair: Prof C V Nayar, Regen Power, Australia</p> <ol style="list-style-type: none"> Prof George Hanna, Housing & Building National Research Centre, Egypt Sustainable Energy Investment Potential in Residential Sector in Egypt Dr Christopher Lund, Murdoch University, Australia Renewing the Sustainable Energy Curriculum – Providing Internationally Relevant Skills for a Carbon Constrained Economy 		
2:15PM	Parallel Sessions 8		
Session 8A (ECL1)	Session 8B (ECL2)	Session 8C (ECL3)	Session 8D (ECL4)

<p>Topic: Solar Cells Chair: Dr Anand Veeraragavan</p> <p>Dr Richard Corkish Renewable Energy Engineering Education And Silicon Solar Cell Research At UNSW</p> <p>Prof Ari Ramelan TiO₂ Nanostructure Synthesized By Sol-Gel for Dye Sensitized Solar Cells As Renewable Energy Source</p> <p>Mr Mohammed Ibrahim Mechanical Exfoliation Of Transition Metal Disulfide For Stable Organic Solar Cells</p>	<p>Topic: Evaluation of Wind Systems Chair: Miss Gao Yuan</p> <p>Dr Yoshito Hirata Online Multi-Step Prediction for Wind Speeds: Evaluation of Prediction Errors</p> <p>Mr Amir Bashirzadeh Performance and Safety of rooftop Wind Turbines: Use of CFD to Gain Insight Into Inflow Conditions</p>	<p>Topic: Economic Analysis Chair: Mr Colin Beattle</p> <p>Dr Vincent Amanor-Boadu Economics of Biodiesel Production under Sustainability Constraints</p> <p>Dr Sina Monadizadeh Economic analysis of RO-Wind Hybrid System in Iran</p> <p>Dr Guo Xiumei Decoupling GDP Growth From CO₂ Emissions In China</p>	<p>Topic: Decision Making Chair: Mr Steve Baker</p> <p>Dr Yoshihiro Yamamoto Decision Making of Households on Adopting Photovoltaic Systems</p> <p>Mr Mahmood Khan Sustainability Accounting For Carbon Neutral Living In Bangladesh</p> <p>Mr Mahdi Shahnazari Australian Emission Trading And Investment Decisions In The Power Sector: A Case Study For Upgrading Coal Fired Steam Turbine To Combined Cycle Gas Turbine Plans</p>
<p>3:15PM</p>	<p>Coffee Break</p>		

<p>3:45PM</p>	<p>Common Session 9 (ECL 1) Topic: Wind Energy Chair: Dr Laurie Mann, Carnegie Wave Energy, Australia</p> <ol style="list-style-type: none"> Prof Ahmad Zahedi, James Cook University, Australia
----------------------	---

	Wind Power Growth In China And India; Opportunities And Challenges For Australia		
	2. Dr Theocharis Tsoutsos , <i>Technical University of Crete, Greece</i> Sustainable Siting Process In Large Wind Farms Case Study In The Island Of Crete		
4:30PM	Parallel Sessions 9		
Session 9A (ECL1) Topic: New Developments Chair: Mr Jai Thomas Dr Shadia Ikhmayies Dependence Of The Photoluminescence Of CdS: In Thin Films On The Excitation Power Of The Laser Dr Kevin Yee Building Sustainability Index: Promoting Sustainable Developments by Regulating Greenhouse Gas Emission Reductions in New South Wales, Australia Mr Majedul Islam Determination of Irradiance Profile Around a Tubular Receiver of a Parabolic Trough Collector	Session 9B (ECL2) Wind Energy Assessment Chair: Ms Talia Raphaely Asst Prof Jompob Waewsak Wind Energy Resource Assessment for Thailand using Regional Atmospheric Modeling System (RAMS) Mr Hsin-Fa Fang Wind Energy Potential Assessment for the Offshore Areas Of Taiwan West Coast and Penghu Archipelago Dr George Stavrakakis Estimation of Wind Energy Production in Australia for Different Wind Turbine Classes	Session 9C (ECL3) Topic: Finance Chair: Mr Baohui Zhao Dr Tania Urmee Revolutionary Electricity Access through Solar PV in Bangladesh: Role of Microfinance Mr Chinedu Ossai Sustainable Assets Integrity Management: Strategic Imperatives for Economic Renewable Energy Generation Miss Arunima Malik A Future Biofuel Industry In Australia: Economic And Environmental Implications.	Session 9D (ECL4) Topic: Wave Energy Chair: Mr Tim Sawyer Prof Boyoung Lee Development of Semi- Submersible Moveable Wave Energy Generation System Prof Young-Ho Lee Performance Analysis of Dual Hull Floating Type Wave Energy Converter Driven by Bi- Directional Cross Flow Hydro Turbine Dr Laurie Mann CETO Technology Development And Device Deployment Strategies

5:30PM	Closing Session (ECL 1) Concluding Remarks: Prof Phil Jennings, Murdoch University
6:30PM	Closing Ceremony (ECL Atrium)

Thursday 18 July 2013

9:00AM	Workshop on Decarbonising Cities: What Can We Do In Our Local Communities?
---------------	--

Poster Presentations (Poster Boards Will Be Up From 15 – 17 July)

#	Author Name	Paper Title
1	Prof Wim Zeiler	Process Control On Workplace Level – User Centered Energy Reduction
2	Mr Imperiyka Mahamed	Fabrication Of A Dye- Sensitized Solar Cell Utilizing A Solid Polymeric Electrolyte Of P(GMA-Co-EMA) -LICLO ₄ -EC
3	Dr Shadia Ikhmayies	A Comparison Between Different Ohmic Contacts For ZnO Thin Films
4	Dr. Paul Christodoulides	Global Warming And Natural Forcing Factors
5	Mr Ahmad Taufik	Renewable Energy Technologies (RETS) For Villages In The Eastern Indonesia
6	Mr Norihiko Suzuki	The Effect Of Nacelle Shape Of Downwind Type Wind Turbine On The Performance
7	Ms Jinsol Kim	Predicting Suitable Location For Renewable Energy Power Plant In Sustainable Island Using Gis
8	Mr Ayyadurai Lakshmanan	Design And Fabrication Of Vertical Axis Windmill
9	Dr Lik Fang Sim	Numerical Modeling Of Solar Thermal Cooling System For Arid Weather Conditions
10	Dr Wei Tse Hsu	Characterization Of ZnS(O,OH)/CdS Solar Cells Possessing Stable Efficiency By Thermal Treatment
11	Prof Reiyu Chein	Ionic Transport In Nanochannel With Concentration Gradient And Its Application In Power Generation
12	Mr Dean Laslett	A Web-Based Interactive Simulation Of An Integrated Electricity Supply System: Renewable Energy, Energy Efficiency, And Storage For The South-West Interconnected System (SWIS) In Western Australia
13	Mr John Stanford	Production Of Dimethylfuran From Hydr17oxymethylfurfural, A Biomass Derived Product, Using A Ruthenium Catalyst Coated Polymeric Membrane Reactor
14	Prof Helmut Mueller	Sustainable Lighting Of Museums
15	Assoc Prof Efpraxia Maria	Parametric Analysis And Assessment Of The Photovoltaics' Landscape Integration: Technical And Legal Aspects
16	Mrs Hanna Al-Taay	Fabrication Of Homo-Junction Silicon Nanowires Solar Cell
17	Mr Muhammad Naeem Khan	Fabrication And Characterization Of Anode-Supported Proton-Conducting Solid Oxide Fuel Cell Based On La _{0.5} Sr _{0.5} mno ₃ – Bazr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O ₃ -Δ Composite Cathode
18	Dr Lifeeng Cai	Carbon-Coated Nano-Sized Silicon Nanoporous Microspheres For High Capacity Li-Ion Battery Anodes
19	Dr Uday Bhawalker	Turning Pollution Into Renewable Energy
20	Mr Shovit Hansdah	Renewable Energy In Hospitals: Critical Factors In Rural & Semi-Urban Hospitals
21	Mr Umer Arshad	Effect Of Angle Variation Of Side Walls On Heat Losses Of Solar Ponds
22	Mr Kanzumba Kusakana	Hybrid Diesel Generator-Renewable Energy System Performance Modeling
23	Mr Yelagiri Munisami Purushothaman	Immobilization Of Streptomyces Lipase Onto Magnetically Retrievable Nanocatalysts For High Efficiency Enzymatic Transesterification For Biodiesel Production From Non-Edible Vegetable Oils
24	Ms Je Jinyoung	GIS Modeling For The Calculation Of The Costs Conventional And Photovoltaic Energy At The University Buildings

Program Overview

Time	Sunday 14th	Monday 15th	Tuesday 16th	Wednesday 17th	Thursday 18th
8:00 AM		Registration			
8:30 AM					
9:00 AM	Pre Conference - Wind and Wheat Tour*	Opening Session	Session 4 (8:45 Start)	Session 6 (8:45 Start)	Workshop*
9:30 AM					
10:00 AM		Coffee Break	Coffee Break	Coffee Break	
10:30 AM					
11:00 AM		Session 1	Session 5	Session 7	
11:30 AM					
12:00 PM		Lunch (12:45)	Lunch	Lunch (12:45)	
12:30 PM					
1:00 PM			Bus Leaves		
1:30 PM		Session 2	Local Technical Tour	Session 8	
2:00 PM					
2:30 PM	Coffee Break	Coffee Break (3:15)		Social Tour*	
3:00 PM					
3:30 PM	Session 3	Session 9 (3:45 Start)			
4:00 PM					
4:30 PM	Registration				
5:00 PM			Closing Session		
5:30 PM	Public Meeting				
6:00 PM			Closing Ceremony		
6:30 PM					
7:00 PM	Welcome Reception				
7:30 PM					
8:00 PM		Conference Dinner			
8:30 PM					
9:00 PM					
9:30 PM					
10:00 PM		Bus to Murdoch			

*Not included In Registration fee