



ICTTRE 2012
International Conference on
Technology Transfer and
Renewable Energy - Mauritius



**ICTTRE 2012 - International Conference on
Technology Transfer and Renewable Energy
21-22 June 2012 - Mauritius**

Programme



University of Mauritius



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ACP S&T PROGRAMME





ICTTRE 2012 – International Conference on Technology Transfer and Renewable Energy 21-22 June 2012 – Mauritius

OPENING CEREMONY

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- 09.30 – 09.35** **Welcome Address – Master of Ceremony, Prof Romeela Mohee**
National Chair & Local DIREKT Coordinator
University of Mauritius
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- 09.35 – 09.45** **Speech by Prof Walter Leal**
Head of Research and Transfer Center at Hamburg University & DIREKT
Coordinator
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- 09.45 – 09.55** **Address by Prof S. Jugessur**
Chairman of Council, University of Mauritius
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- 09.55 – 10.10** **Speech and Launching of Conference by Honourable Minister Dr R Jeetah**
Minister of Tertiary Education, Science, Research and Technology
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CONFERENCE PROGRAMME

21 June 2012

08:30 – 09:15 Registration
09:30 – 10:15 Opening ceremony
10:15 – 10:45 Refreshment and visit to poster exhibition

10:45 – 12:15

Keynote Speech

Venue: Chamarel I

Chair: Prof Romeela Mohee

Prof Blasiak Wlodzimierz Modern technologies of biomass combustion and pre-treatment for more efficient electricity production: review and case analysis

Prof Walter Leal The DIREKT project: an example of a technology transfer project on renewable energy

12:15 – 13:45

Lunch and visit to poster exhibition

Oral Presentations

13:45 – 14:45

Session: Bio-energy I

Venue: Chamarel I

Session chair: Prof Blasiak Wlodzimierz

Session coordinator: Varsha Persaud

Mahir Said Fast pyrolysis and kinetics of sugarcane bagasse in energy recovery
Petro Ndalila characterization of pyrolysis kinetics for the use of tropical biomass as renewable energy sources

Joseph Ndemere Arineitwe Prospects and limitations of biomass gasification for Industrial thermal applications in sub-saharan Africa

Devina Mooloo Assessing the potential of torrefaction of locally available biomass in Mauritius

Session: Biofuels I

Venue: Chamarel II

Session chair: Associate Prof Anirudh Singh

Session coordinator: Pritika Bijay

Ackmez Mudhoo Anaerobic digestion of vegetable wastes using biochemical methane potential assays

Christian Augustin Investigations on vegetable oil conversion by deoxygenation and cracking for the use as alternative biofuels

Pritika Bijay Viability of using cassava as feedstock for bioethanol production in Fiji



Pratima Jeetah	Bio-ethanol production from readily available lignocellulosic biomass in Mauritius through Enzymatic hydrolysis
15:00 – 15:45	<p>Session: Bio-energy II Venue: Chamarel I Session chair: Dr Indra Haraksingh Session coordinator: Monica Boodhan</p>
Lugano Wilson Geoffrey John	Biomass gasification parametric study; Gibbs equilibrium model Thermochemical equilibrium model and energy analysis for high temperature biomass gasification
Marisa Singh	Fuel cells: An alternative source of energy for the Caribbean
15:00 – 15:45	<p>Session: Biofuels II Venue: Chamarel II Session chair: Prof Geoffrey John Session coordinator: Isabel Ribeiro</p>
Krishna Sooprayen	Investigating the potential of using coconut oil-diesel blends in a diesel engine in Rodrigues Island
Lalit Kumar	Remote sensing and GIS techniques for the assessment of biofuel and biomass energy resources
Hemant Munbod	Optimization of biogas production to use in cooking stove
15:45 – 16:00	Refreshment and visit to poster exhibition
16:00 – 17:15	<p>Session: Solar and Wind Energy Venue: Chamarel II Session chair: Dr Thomas Rogers Session coordinator: Natasha Corbin</p>
Pratima Jeetah	Feasibility of using solar energy as a source of renewable energy in Mauritius under collaboration of DIREKT topography areas: Reunion Island's case study
Shivneel Prasad	Optimization of a standalone renewable energy system: For a small load requirement
Michael Tsang Pun Yin	Assessment of the most sustainable renewable energy configuration system in Mauritius and Rodrigues
Ravita Prasad	A comprehensive study of wind and solar potential for Gau Island, Fiji
17:45	Cocktail
19:00	Gala dinner



22 June 2012

09.30 – 10.15

Keynote speech

Venue: Chamarel I

Chair: Prof Walter Leal

Dr Tony Weir

The role of renewable energy in the Pacific Islands

10:15 – 10:30

Refreshment and visit to poster exhibition

10:30 – 11:30

Session: Technology transfer and international cooperation

Venue: Chamarel I

Session chair: Prof Walter Leal

Session coordinator: Veronika Schulte

Sheikh Izzal Azid

Mapping of organizations and partners involved in energy research activities in the Pacific Island region, their mandates, focal areas and research projects

Emanuele Taibi

A framework for technology cooperation for the successful deployment of renewable energy technologies in Pacific Island Countries and Territories (PICTs)

M.T.A.P. Wickramarathna

Study to achieve government 10% power generation target from non-conventional renewable energy by year 2015

Drishty Ramdenee

Software and information technology support in virtual renewable energy-laboratory based on real physical environment – ECO UQAR – UOM potential collaboration

Dinesh Surroop

Strategies developed for the Small Island Developing States (SIDS) to enhance renewable energy utilization by DIREKT

10:30 – 11:30

Session: Other renewable technologies

Venue: Chamarel II

Session chair: Associate Prof Robert Ah King

Session coordinator: Henning Fitschen

Christoph Rapp

Knowledge exchange and applications of hydro power in developing countries

Jaykumar Chummun

The potential of using renewable sources of energy in Mauritius

Indra Haraksingh

The New Green Revolution: Sustainable agriculture for the Caribbean through the use of renewable energy

Janet Sawin

REN21: Renewable Energy Policy Network for the 21st century



11:45 – 12:30	Session: Energy efficiency & management
	Venue: Chamarel I
	Session chair: Dr Tony Weir
	Session coordinator: Pritika Bijay
Robert T. F. Ah King	Efficiency optimization of three-phase induction motor using swarm intelligence
Clara.P Martínez	Energy use in manufacturing industries evidence from Sweden
Ksenia Chmutina	Case study analysis of urban decentralized energy systems
12:30 – 14:00	Lunch and visit to poster exhibition
14:00 – 15:00	Session: Energy policy and financing
	Venue: Chamarel I
	Session chair: Dr Indra Haraksingh
	Session coordinator: Monica Boodhan
Jochen Selle	Project funding as non-repayable subsidies for innovative research and development projects – a practical example in the field of renewable energy
Ravishankar Mor	International norms and documents regarding technology transfer and renewable energy
Anirudh Singh	Sustainable energy development in the Pacific: the evolution of energy frameworks and national policies
Thomas Rogers	Past and present green economy initiatives, and capacity building and financial mechanisms for the future development of the Barbados energy sector
15:00 – 15:30	Closing session
15:30 – 16:00	Refreshment