

SUSTAINABLE SEA TRANSPORT TALANOA

ALL
WELCOME

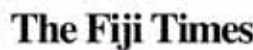
Celebrating the Past, Sailing into the Future

HERITAGE REVIVAL
NETWORKS, COLLABORATION
SEA TRANSPORT TECHNOLOGY
BLUE/GREEN ECONOMIES
POLICY AND REGULATION

Contact Alison Newell for more information
Email: alison.newell@usp.ac.fj
Visit our website: www.usp.ac.fj/sstt2014



THE UNIVERSITY OF THE
SOUTH PACIFIC
14-18, JULY
LOWER LAUCALA
CAMPUS, SUVA



THE INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY AND CLIMATE CHANGE *Focus on the Pacific*

RENEWABLE ENERGY AND CLIMATE CHANGE
RENEWABLE ENERGY, TECHNOLOGY AND APPLICATION
RENEWABLE ENERGY AND ENERGY EFFICIENCY
SUSTAINABLE DEVELOPMENT
POLICY, ECONOMICS AND FINANCING
REGIONAL, NATIONAL AND GLOBAL PROJECTS AND INITIATIVES

Contact Sainimere Veitata for more information
Email: sainimere.veitata@usp.ac.fj
Visit our website: <http://pace.usp.ac.fj/icrecc/Home>

MONDAY, 14TH JULY - DAY 1

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME

WHAT AND WHERE

SPEAKER

8.00 am - 8.30 am

Registration

Registration

8.30 am - 9.00 am

Traditional Welcome

Fiji Islands

Bure & Marquees

Voyaging Society

9.00 am - 9.15 am

Opening Prayer

Archbishop Winston Halapua

Bure & Marquees

Archbishop of Polynesia

9.15 am - 10.00 am

Chief Guests and Opening

Honourable Faipule Foa Toloa,
Minister Transport & Energy, Tokelau

Bure & Marquees

Feleti Teo OBE

Secretary General

Pacific Islands Development Forum

Malakai Tadulala

Deputy Secretary, Ministry of Transport, Fiji

Prof. John Bythell

DVC, USP

10.00 am - 10.20 am

Morning Tea

10.20 am - 10.35 am

**Sustainability and How
Ancient Vessels Are Better**

MSP Lecture Theater

Dr Marianne George &

Dr Simon Salopuka

Pacific Traditions Society

10.35 am - 10.50 am

Vanuatu Canoe Culture

MSP Lecture Theater

Francis Hickey

Vanuatu Cultural Centre

10.50 am - 11.05 am

**From the mountain
to the sea**

MSP Lecture Theater

William Ngakuru

Te Roroa and Elam School of
Fine Arts, Aotearoa

11.05 am - 11.20 am

Flight of the manu

MSP Lecture Theater

Damion Sailors

Anthropology Department,
University of Hawai'i at Manoa

11.20 am - 11.35 am

The Mobility of Tiki

MSP Lecture Theater

Judy Robinson

University of Newcastle,
Australia

11.35 am - 11.50 am

**Canoe building and Culture
in Aotearoa**

MSP Lecture Theater

Hoturoa Kerr

Tainui, Te Toki, Voyaging in
Aotearoa

11.50 am - 12.05 pm

Fiji sailing canoes

MSP Lecture Theater

Margot Leger

Gardner Travelling Fellow,
Harvard

12.05 pm - 12.20 pm

Questions and Answers

MSP Lecture Theater

MONDAY, 14TH JULY - DAY 1

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME	WHAT AND WHERE	SPEAKER
12.20 pm - 1.15 pm 1.20 pm - 3.30 pm	Lunch Talanoa Bure and Marquees	Archbishop Winston Halapua with Alson Kelen
1.20 pm - 1.45 pm	Keynote Address - Renewable Energy and Climate Change MSP Lecture Theater	Dr Peter Lilienthal HOMER Energy
1.45 pm - 2.00 pm	Battery – charging based household electrification and agriculture processing in South Pacific Islands MSP Lecture Theater	Kim Chen Village Infrastructure Angels
2.00 pm - 2.15 pm	Corrosion of infrastructure in Pacific Island Countries due to rising sea levels: the rational MSP Lecture Theater	Krishneel K Sharma The University of the South Pacific
2.15 pm - 2.45 pm	Afternoon Tea	
2.45 pm - 3.10 pm	Keynote Address and Opening Address Renewable Energy and Climate Change MSP Lecture Theater	Professor N H Ravindranath Centre for Sustainable Technologies
3.10 pm - 3.25 pm	A biomass energy flow for Fiji MSP Lecture Theater	Vineet V Chandra The University of the South Pacific
3.25 pm - 3.40 pm	Estimating Methane Emissions from the Naboro Landfill MSP Lecture Theater	Francis Mani
3.40 pm - 3.55 pm	Regional Solar PV Developments for the Commercial Sector MSP Lecture Theater	Bruce Clay Clay Energy
3.55 pm - 4.10 pm	Panel Session on Renewable Energy and Climate Change MSP Lecture Theater	Dr Pendo Maro Olusola OJO Edmund JACKSON EU Intra ACP Participants
6.00 pm - 9.00 pm	Welcome Cocktail & Panel sponsored by GIZ Lower Campus Foreshore	

TUESDAY, 15TH JULY - DAY2

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME

WHAT AND WHERE

SPEAKER

9.00 am - 9.15 am

Wind power modelling for the South Pacific
MSP Lecture Theater

Michael Traut
University of Manchester

9.15 am - 9.30 am

Making shipping greener
MSP Lecture Theater

Santiago Suárez de la Fuente and Alistair Greig
University College London

9.30 am - 9.45 am

High Seas Project
MSP Lecture Theater

Dr Tristan Smith
The Energy Institute,
University College London

9.45 am - 10.00 am

Online Learning Systems
MSP Lecture Theater

Jeff Watts
Australian Maritime College
Tasmania, Australia

10.00 am - 10.20 am

(Questions and Answers)
MSP Lecture Theater

10.20 am - 11.00 am

Morning Tea

11.00 am - 11.15 am

Every business should and could be environmentally minded: Japan's lessons to combat pollution
MSP Lecture Theater

Prof Hikaru Kobayashi
Keio University, Japan

11.15 am - 11.30 am

Fairtrade and Sustainable Shipping
MSP Lecture Theater

Dr Matthew Anderson
University of Portsmouth, UK

11.30 am - 11.40 pm

Turning the Tide
MSP Lecture Theater

John Kaitu'u

11.40 pm - 12.00 pm

Questions and Answers
MSP Lecture Theater

12.00 pm - 1.20 pm

Lunch

1.45 pm - 3.30 pm

Talanoa
Bure and Marquees

Hoturua Kew, Vaka Toimako
Project, Cook Islands
Voyaging Society

1.20 pm - 1.45 pm

Keynote Address-
MSP Lecture Theater

Katerina Syngellakis
SPC-GIZ CCCPIR:

1.45 pm - 2.00 pm

SMA is moving forward with hybrid energy technologies to offer real solutions to real problems in the Pacific
MSP Lecture Theater

Wilhelm van Butselaar
SMA Australia Pty Ltd

TUESDAY, 15TH JULY - DAY2

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME	WHAT AND WHERE	SPEAKER
2.00 pm - 2.15 pm	Grid – Connected Solar Panel Systems as Energy Security Measure MSP Lecture Theater	Ricardo Gonzales The University of the South Pacific
2.15 pm - 2.30 pm	Design of 12m Horizontal Axis Wind Turbine for Fiji MSP Lecture Theater	Jai N Goundar The University of the South Pacific
2.30 pm - 3.00 pm	Afternoon Tea	
3.00 pm - 3.25 pm	Keynote Address – Renewable Energy Technology and Application MSP Lecture Theater	Dr. Indra Haraksingh University of West Indies
3.30 pm - 3.45 pm	Design on Horizontal Axis Marine Current Turbine for Fiji MSP Lecture Theater	Jai N Goundar The University of the South Pacific
3.45 pm - 4.00 pm	Hybrid Solar Photovoltaic – Photochemical Systems for Water Disinfection and Electricity Generation MSP Lecture Theater	Marta Vinar IMDEA Water, Madrid, Spain
4.00 pm - 4.15 pm	A Real Low-Cost, simple Datalogger for Renewable Energy Applications: Case of Photovoltaic Systems MSP Lecture Theater	Manuel Fuentes University of Jaén, Spain
4.15 pm - 4.30 pm	Technology and Application or Policy Economics and Financing MSP Lecture Theater	Sunil Kumar
4.30 pm - 4.45 pm	Vocaltional Training and Education for Clean Energy MSP Lecture Theater	Gavin Pereira Arizona State University (VOTEC Program)
4.45 pm - 5.00 pm	Biogas: The Proven Path Way to Secure Fiji's Energy Independence and Beyond MSP Lecture Theater	Ken Davie Bio Gas and Bio Energy (FIJI)

WEDNESDAY, 16TH JULY - DAY 3

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME

WHAT AND WHERE

SPEAKER

9.00 am - 9.15 am

Hydrodynamic aspects of wind (assisted) ship Propulsion MSP Lecture Theater

Prof Rogier Eggers
(Project Manager Ships, MARIN, the Netherlands)

9.15 am - 9.30 am

The wind Hybrid Coaster MSP Lecture Theater

Prof Michael Vahs
University of Applied Sciences, Maritime Department, Hamburg

9.30 am - 9.45 am

The Art of the Possible MSP Lecture Theater

Diane Gilpin
B9 Shipping Ltd, UK

9.45 am - 10.00 am

Zero Emission Fishing MSP Lecture Theater

Stuart Balfour
Sailline Fish, UK

10.00 am - 10.20 am

Questions and Answers MSP Lecture Theater

10.20 am - 11.15 am

Morning Tea

11.15 am - 11.30 am

Solar Sailor MSP Lecture Theater

Robert Dane & Ninan Mathew
OCIUS Technology Ltd, Australia

11.30 am - 11.45 am

Potential for Sustainable Sea Transport MSP Lecture Theater

Amelia Bola
Sustainable Sea Transport Research Programme, USP

11.45 pm - 12.00 pm

Climate Change Adaptation for Sea Ports MSP Lecture Theater

Jane Mullett
RMIT University, Australia

12.00 pm - 12.20 pm

Questions and Answers MSP Lecture Theater

12.20 pm - 1.15 pm

Lunch

1.20 pm - 3.30 pm

Talanoa
Bure and Marquees

Dixon Wia, Ambrose Miki, Inanui Brodien, Vahai Tuulaki, Sandra Okada & Frank Cruz

1.20 pm - 1.45 pm

Keynote Address : Renewable Energy and Energy Efficiency MSP Lecture Theater

Anare Matakeviti
IUCN

1.45 pm - 2.00 pm

Potential Study of Micro-wind turbine in the Pacific MSP Lecture Theater

Ashneel Deo
The University of the South Pacific

2.00 pm - 2.15 pm

Study on the Pendulum Wave Energy Extractor MSP Lecture Theater

Sumesh Narayan
The University of the South Pacific

WEDNESDAY, 16TH JULY - DAY 3

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME	WHAT AND WHERE	SPEAKER
2.15 pm - 2.30 pm	Energy Efficiency MSP Lecture Theater	Krishneel Prasad USP
2.30 pm - 2.45 pm	Assessment of wave energy resource in the West Pacific MSP Lecture Theater	Cyprien Boserelle SPC
2.45 pm - 3.00 pm	The Pacific and the Bicycle: a human- powered solution Sailor MSP Lecture Theater	Andrew Irvin IUCN
3.00 pm - 3.15 pm	Achieving Price Parity with Petroleum Estimating offshore wind potential using onshore measurements MSP Lecture Theater	Atesh Datt Gosai The University of the South Pacific
3.15 pm - 3.35 pm	Afternoon Tea	
3.35 pm - 4.00 pm	Keynote Address – Sustainable Development MSP Lecture Theater	Hasmukh Patel FEA
4.00 pm - 4.15 pm	Pacific Community Development Through Bio fuel Generation from Marine Biomass MSP Lecture Theater	Dr Antoine De Ramon N'Yeurt The University of the South Pacific
4.15 pm - 4.30 pm	Fuelwood: The Forgotten Renewable Energy MSP Lecture Theater	Cema Bolabola
4.30 pm - 4.55 pm	Keynote Address - Potential of Energy Production from Municipal Solid wastes in Fiji MSP Lecture Theater	Shirleen Swapna The University of the South Pacific
4.55 pm - 4.10 pm	Small Islands Developing States' Environmental and Energy related Data Information sharing Using 5D World Map MSP Lecture Theater	Katsufumi Tomobe Keio University, Japan
6.30 pm - 9.00 pm	Special Talanoa Programme Event : Launch of the Mua Donu, Voyage to Sydney, Fiji Museum	

THURSDAY, 17TH JULY - DAY 4

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME

WHAT AND WHERE

SPEAKER

9.00 am - 9.15 am

Fuel cost projections & implications for the South Pacific
MSP Lecture Theater

Jose-Emilio Moreno
Development Engineer, Environmental R&D, DNV GL – Maritime

9.15 am - 9.30 am

Global Marine Fuel Trends 2030
MSP Lecture Theater

Katharine Palmer
Lloyd's Register, UK

9.30 am - 9.45 am

Transport and the IPCC
MSP Lecture Theater

Prof Ralph Sims
Massey University, Aotearoa

9.45 am - 10.00 am

Aligning bio-security strategies for sustainable sea transport
MSP Lecture Theater

Rashmi Kant & Nafiza Bibi
School of Agriculture and Food Technology, USP & Biosecurity Authority of Fiji

10.00 am - 10.15 am

Are rising seas a business risk
MSP Lecture Theater

Dr Mark Trexler
The Climatographers, USA

10.15 am - 10.30 am

Authority of Pacific Island States
MSP Lecture Theater

Meredith Wilensky
Centre for Climate Change Law, Columbia Law Centre, USA

10.30 am - 10.50 am

Questions and Answers
MSP Lecture Theater

10.50 am - 11.15 am

Morning Tea

11.15 am - 11.30 am

Update on Maritime Safety, Security & Protection of the Marine Environment Regulation
MSP Lecture Theater

Neale Slack
CEO Maritime Safety Authority

11.30 pm - 11.45 pm

Biofuel Developments in Fiji
MSP Lecture Theater

Jeke Pai
Department of Energy

11.45 pm - 12.00 pm

Future of Maritime Training
MSP Lecture Theater

Captain Perera
CEO Fiji Maritime Academy

12.00 pm - 12.30 am

Questions and Answers
MSP Lecture Theater

12.30 pm - 2.00 pm

Lunch

2.00 pm - 3.30 pm

Talanoa
Bure and Marqueses

Evy and Crew (MV Kwai)
Becky (Picton Castle)

2.05 pm - 2.30 pm

Keynote Address – Policy, Economics and Financing
MSP Lecture Theater

Professor Hikaru Kobayashi
Keio University, Japan

2.30 pm - 2.45 pm

PoA for Sustainable Renewable Energy Power Generation in PNG An opportunity for PICs in CDM participation
MSP Lecture Theater

Damien D Sonny
PNG Power Ltd

THURSDAY, 17TH JULY - DAY4

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME	WHAT AND WHERE	SPEAKER
2.45 pm - 3.00 pm	A Case Study - Pacific Islands Greenhouse Gas Abatement through Renewable Energy Project (PIGGAREP) MSP Lecture Theater	Sili'a Kilepoa Ualesi SPREP
3.00 pm - 3.15 pm	Renewable and Green Energy development and sustainability in Pacific Island Countries: The Context of Fiji MSP Lecture Theater	Dr Manorajan Mohanty The University of the South Pacific
3.15 pm - 3.40 pm	Keynote Address - Vanuatu National Sustainable Development Plan MSP Lecture Theater	Vanuatu Honorable Minister For Lands and Natural Resources, Ralph Regenvanu
3.40 pm - 3.55 pm	The Green Growth Framework- A Transformational Change in Policy Making MSP Lecture Theater	Anirudh Singh USP
3.55 pm - 4.20 pm	Afternoon Tea	
4.20 pm - 4.45 pm	Keynote Address - Revised National Energy Policy - Fiji MSP Lecture Theater	Peceli Nakavulevu Fiji Department of Energy
4.45 pm - 5.00 pm	Strengthening and Improving Sustainability, Reliability and Cost-Effectiveness in the Energy Sector MSP Lecture Theater	Katerina Syngellakis SPC-GIZ CCCPIR
5.00 pm - 5.15 pm	Biomass Based Diesel Fuel- Production Economics MSP Lecture Theater	Daaniel Shafer Warrior Bioject Inc
5.15 pm - 5.30 pm	Minimum Energy Performance Standards-The Fiji Experience MSP Lecture Theater	Ravinesh Nand Fiji Department of Energy
5.30 pm - 5.45 pm	Sustainable Energy Financing Project (SEFP) MSP Lecture Theater	Vamarasi Kafoa Fiji Department of Energy
5.45 pm - 6.00 pm	The treat of Climate Change on GDP Lossof selected PIC's: And And investigation MSP Lecture Theater	Dibyendu Maiti Vaishali Reddy USP

FRIDAY, 18TH JULY - DAY 5

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME	WHAT AND WHERE	SPEAKER
10.00 am - 10.15 am	International Windships Association MSP Lecture Theater	Gavin Allwright UK
10.15 am - 10.30 am	JICA Deployment of Maritimes Support MSP Lecture Theater	Makoto Azuma JICA Expert, SPC
10.30 am - 10.45 am	Intellectual Property & Sustainable Sailing MSP Lecture Theater	Dr Miranda Forsyth The Australian National University
10.45 am - 11.00 am	Turning the Tide MSP Lecture Theater	Vicki Sowry & Vicki Smith Australian Network for Art and Technology & Aotearoa Digital Arts Network
11.00 am - 11.15 am	Partnership and Collaboration MSP Lecture Theater	Kesaia Tabunakawai Regional Programme Manager, South Pacific Programme, WWF
11.15 am - 11.30 am	Time for Change MSP Lecture Theater	Taholo Kami Director, Oceania Regional Office, International Union for Conservation of Nature
11.30 am - 11.55 am	Questions and Answers MSP Lecture Theater	
12.00 am - 12.15 pm	Identification of Priorities for Future Collaboration MSP Lecture Theater	John Bythell DVC, USP
12.20 pm - 2.00 pm	Lunch	
2.00 pm - 2.25 pm	Keynote Address – Regional, National and Global Projects Initiatives MSP Lecture Theater	Solomone Fifita SPC
2.25 pm - 2.50 pm	Keynote Address - Renewable Energy at USP MSP Lecture Theater	Atul Raturi USP

FRIDAY, 18TH JULY - DAY 5

Sustainable Sea Transport Talanoa & The International Conference on Renewable Energy and Climate Change, USP Lower Campus, 2014.

WHAT TIME	WHAT AND WHERE	SPEAKER
2.50 pm - 3.05 pm	IRENA capacity building delivery methods and initial impacts in the Pacific Islands MSP Lecture Theater	Iiham Talab IRENA
3.05 pm - 3.20 pm	Current Renewable Energy Activities for Rural Electrification in Papua New Guinea MSP Lecture Theater	Garaio D Gafiye Clean Energy Solution
3.20 pm - 3.35 pm	Application of Renewable Energy for Sustainable Development in the Pacific- a hydro power case study MSP Lecture Theater	Atesh Gosai The University of the South Pacific
3.35 pm - 3.50 pm	Afternoon Tea	
3.50 pm - 4.05 pm	Challenges to Climate Change MSP Lecture Theater	Seymour V Singh Fiji Water Authority
4.05 pm - 4.20 pm	IUCN's Pacific SIDS Energy, Ecosystems and Sustainable Livelihood Initiative Phase I MSP Lecture Theater	Ifereimi Dau
4.20 pm - 4.35 pm	Small Islands Developing Small Island Community Ownership of Rural Electrification using Solar Energy – Rotuma Island Case Study MSP Lecture Theater	Dr Antoine De Ramon N'Yeurt The University of the South Pacific
4.35 pm - 4.40 pm	Fiji Renewable Energy Power Project (FREPP) MSP Lecture Theater	Susana Pulini
4.40 pm - 4.55 pm	Flexi biogas - A Climate Change Adaptation and Mitigation Technology MSP Lecture Theater	Sakiusa Tubuna UNDP
6.00 pm - 9.00 pm	Final Dinner Royal Suva Yacht Club	