



OIST

OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY GRADUATE UNIVERSITY
沖縄科学技術大学院大学

The First International Symposium on Open Energy Systems

SIMULTANEOUS
TRANSLATION AVAILABLE

14-15 January 2014

Sponsored by: Okinawa Institute of Science and Technology (OIST)

Co-Organized by: OIST and Sony Computer Science Laboratories, Inc. (Sony CSL)

Supported by: Australian Embassy, French Embassy in Japan, Victoria Government Business Office in Tokyo, Japan International Cooperation Agency (JICA), and Okinawa Prefecture

Venue: Room B250, OIST

<https://groups.oist.jp/oes>

General Chair:	JONATHAN DORFAN, President of OIST
Organization Co-Chair:	PATRICK VINCENT, OIST Vice President for Finance and Administration and MARIO TOKORO, Founder & Executive Advisor, Sony Computer Science Laboratories, Inc. (Sony CSL)
Program Chair:	HIROAKI KITANO, Adjunct Professor, OIST and President and CEO, Sony CSL
Publicity Chair:	TAICHIRO SAKAGAMI, Technical Staff, OIST
Local Arrangement Chair:	TAKANARI ICHIKAWA, Senior Manager, Business Development, OIST

Program

DAY 1 January 14, 2014 (TUE)

9:00- 9:30 **Receiving Guests**

9:30- 9:40 **Welcome Address**

◆ Dr. Jonathan Dorfman: OIST

9:40- 9:50 **Message from Co-Organizing Chair**

◆ Mr. Patrick Vincent: OIST

9:50-10:10 **What are Open Energy Systems?**

◆ Prof. Hiroaki Kitano: OIST / Sony CSL

----- Global Issues in Energy ----- (H. Kitano) -----

10:10-10:55 **Keynote Speech 1 : “Energy and Its Role in Sustainable Development”**

◆ Prof. Dave Griggs: CEO Climate Works Australia & Director Monash Sustainability Institute (Monash University), Australia

10:55-11:40 **Keynote Speech 2 : “Systemic Challenges That Smart Cities and Territories Will Face”**

◆ Dr. Ronan Stephan: Chief Innovation Officer, ALSTOM, France

11:40-11:55 *Break*

11:55-12:40 **Keynote Speech 3 : “Japan's Renewable Energy Policy and Perspectives on the Next-Gen Distributed Power Grid Systems”**

◆ Mr. Yuki Shimazu: Deputy Director, New and Renewable Energy Division, Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry (METI)

12:40-14:15 *Lunch @Floor B Restaurant*

Sony CSL-OIST Open Energy Systems Project tour

14:15-15:00 **Keynote Speech 4 : “Bottlenecks to Promote Rural Electrification in African Countries and Needs for Technical Innovation”**

◆ Mr. Toshiyuki Hayashi: Senior Advisor, Japan International Cooperation Agency (JICA)

15:00-15:45 **Keynote Speech 5 : “Open Energy Systems and the Role of Clean Technology Innovation: A Hawaii Case Study”**

◆ Mr. Dennis Teranishi, CEO, Pacific International Center for High Technology Research, Hawaii

15:45-16:15 **Mini Panel 1 : “Open Energy Systems as a Global Agenda”**

◆ Moderator: Prof. Hiroaki Kitano: OIST / Sony CSL

Panelists: Prof. Dave Griggs, Dr. Ronan Stephan, Mr. Yuki Shimazu
Mr. Toshiyuki Hayashi., Mr. Dennis Teranishi

16:15-16:30 *Break.*

----- Technology ----- (M. Tokoro) -----

16:30-17:00 **“Open Energy Activities in Okinawa”**

◆ Prof. Jun-ichiro Tsutsumi: University of the Ryukyu

17:00-17:20 **“Sea Horse Project - Ocean Power Generation”**

◆ Prof. Tsumoru Shintake: OIST

17:20-17:35 **“Low-Cost Solar Cells”**

◆ Prof. Yabing Qi: OIST

17:35-18:00 **“Sony CSL-OIST DC-based Open Energy System (DCOES)”**

◆ Dr. Mario Tokoro: Sony CSL

18:00-18:30 **Mini Panel 2 : “Open Energy Systems Technological Readiness”**

◆ Moderator: Dr. Mario Tokoro: Sony CSL

Panelists: Prof. Jun-ichiro Tsutsumi, Prof. Tsumoru Shintake, Prof. Yabing Qi
Mr. Masato Fujita: Chief Analyst, The KAITEKI Institute, Inc.,
Dr. Isamu Ohta, General Manager, Energy and Environmental Research
Department, Misawa Homes Institute of Research & Development Co., Ltd

18:30-19:30 *Reception @Floor B Restaurant*

DAY 2 January 15, 2014 (WED)

----- Social Aspect / Sustainability / Business ----- (P. Vincent) -----

9:00- 9:45 **Keynote Speech 6 : “Toward Sustainable Regional Development Through Renewable Energy**
◆ Prof. Toru Morotomi: Kyoto University

9:45-10:30 **Keynote Speech 7 : “Photovoltaic for Low Power Telco Devices: An Opportunity for Orange”**
◆ Dr. Thomas Rivera: Orange Labs Networks

10:30-10:45 *Break*

10:45-11:30 **Keynote Speech 8 : “EV Introduction Project in Okinawa Green Island Plan”**
◆ Prof. Kenji Tanaka: University of Tokyo

11:30-12:15 **Keynote Speech 9 : “Paradigm Shift of the Energy Industry after the Great East Japan Earthquake – For Creation of the Best Mix Energy Industry-”**
◆ Dr. Hiroshi Fujiwara : President&CEO, BroadBand Tower, Inc

12:15-13:15 *Working Lunch @Floor B Restaurant*

13:15-13:45 **Mini Panel 3 “Social Aspect, Sustainability, and Business Opportunities”**
◆ Moderator: Mr. Patrick Vincent : OIST
Panelists: Prof. Toru Morotomi, Dr. Thomas Rivera, Prof. Kenji Tanaka, Dr. Hiroshi Fujiwara, Mr. Katsuhiko Yamaguchi: President of Sustainergy Company

13:45-14:15 **Concluding Panel : “Possible Contribution of Okinawa to the World”**
◆ Moderator: Prof. Hiroaki Kitano: OIST / Sony CSL
Panelists: TBA

-----Principal Keynote ----- (J. Dorfan) -----

14:15-15:15 **Principal Keynote : “Climate Change and Energy Choices”** (*Live Video from Delhi*)
◆ Dr. Rajendra Kumar Pachauri: Chairperson,
The Intergovernmental Panel on Climate Change (IPCC)

15:15 Looking forward & Thanks
◆ Dr. Jonathan Dorfan: OIST

Adjournment

Optional Campus tour