

UTOKYO FORUM – USP 2013, Brazil**Workshop on Power Grid Network Innovation for Next Generation****Chairmen: Prof. Rikiya Abe and Prof. Kenji Tanaka (UTokyo) and Prof. Josemir Coelho Santos (USP)****Venue:**

Escola Politécnica - University of São Paulo
Department of Energy and Automation Engineering
Av. Prof. Luciano Gualberto, 158 – trav.3 - PEA
05508-010, São Paulo

Capacity: 50**Contact / Registration:** Prof. Dr. Josemir Coelho Santos, Universidade de São Paulo, josemir@pea.usp.br**Abstract**

Japanese technologies may contribute to the infrastructure in Brazil and so it also strengthens a mid- to long-term relationship between Japan and Brazil. The centralized power network of the 20th century was effective; however the new renewable energy sources are being more and more incorporated in the network that will change old concepts.

The University of Tokyo will introduce a power network using the new technology, which can be used to bring in power infrastructure to urban areas and areas with no power. The topics covered would be low cost electrification, using system with rechargeable batteries in urban areas to ensure no blackouts, the stabilization of the main grid, and so on.

The University of São Paulo will show the status of the Brazilian power network, the government plans for next years, the industry efforts, and show experimental cases related to the smart grids area.

Therefore, in these sessions, we will focus on the subject of possibilities to use smart grids technologies in the Brazilian power network as well as research exchanges that can contribute to establishing a good mid- to long-term relationship between Japan and Brazil through specific projects.

First Day Timetable - 11th November 2013**Morning** – Opening ceremony and Keynote presentation

13:00hs LUNCH

Afternoon: (Venue: Electrical Engineering, Building D, Room D1-01)

14h30: Opening Remarks

14:45hs – Panel: Sustainable Power Grid for the future:

- Digital grid concept for future power grid - University of Tokyo, Professor Rikiya ABE
- Power network innovation – NEC Corporation, Dr. EMURA
- ANEEL (Electrical Energy National Agency) - Sr. André Pepitone da Nóbrega
- ABRADÉE (Electrical Energy Distribution Utilities Brazilian Association) - Dr. Nelson Fonseca Leite
- ABDI (Industrial Development Brazilian Agency) – Dr. Carlos Frees

16:15 hs – Coffee break

16:40 hs – Questions and Discussions

17:30 hs – Closing Remarks

Second Day Timetable – 12th November 2013

Morning – (Venue: Electrical Engineering, Auditorium)

09h00: Workshop on "Industrial Approaches or Emerging technologies in Smart Grids"

- Dr. Tahara, NEC Central Lab., Japan
- Dr. Suyama, Executive director of Digitalgrid Consortium, Japan
- Miss T. Thitisakdiskul, Business Development Division Infinite Solar Group Co., Ltd., Thailand
- Brazilian Industries
 - o Nansen – Sr. Marcelo Assef
 - o CAS – Sr. Odair Marcondes
- Mr. Isono, CEO of Shizen Power Co. Ltd., Japan
- Brazilian Utilities
 - o EDP - Sr. Jeferson Marcondes
 - o Elektro – Sr. José Francisco Resende da Silva

12:00hs LUNCH

Afternoon: (Venue: Electrical Engineering, Building D, Room D1-01)

13h30: Workshop on "Research and Development related to Smart Grids at UTokyo and USP".

(Venue: Electrical Engineering, Building D, Room D1-01)

- Prof. Maurício Salles, USP, Brasil
- Prof. Giovanni Manassero Jr., USP, Brasil
- Prof. Nilton Morimoto, USP, Brasil
- Prof. Dr. Lourenço Matakas Jr., USP, Brasil
- Prof. Josemir Coelho Santos, USP, Brasil
- Asc. Prof. Tanaka, the Univ. of Tokyo, Japan
- Dr. Ivana Figueiredo, disaster resilient reconstruction, the Univ. of Tokyo, Japan

15h30: Closing Remarks

15h45: Coffee break

16h00: Visits to laboratories and facilities at USP involved on R&D activities associated to Smart Grids.

- Laboratório de Sistemas Integráveis (LSI);
- Laboratório de Sensores Ópticos (LSO);
- Laboratório de Smart Grids (LSG)
- Serviço Técnico de Smart Grids (IEE)