

# BUCHAREST 2018 SYMPOSIUM ON MICROGRIDS

University Politehnica of Bucharest, Romania

2- 6 September 2018

(smart casual dress encouraged)

## Sunday 02 September – Pre-Symposium Activities

UPB Rectorat Building, HALL AN

14:30 Registration open from 14.30

16:00-17:00 Tour UPB labs

17:00-19:00 Welcome Reception

## Monday 03 September – Morning Session

UPB Rectorat Building AN010

09:00-09:05 Mihaela Albu (University Politehnica of Bucharest) & Maria Brucoli (EDF Energy R&D), Symposium Co-Chairs  
**Welcome to Bucharest**

09:05-09:20 Anton Anton (Minister for Energy, Romania) & Ioan Dumitrache (Romanian Academy)  
**Official Opening of the Bucharest 2018 Symposium on Microgrids**

09:20-09:30 Nikos Hatziargyriou (NTUA & HEDNO), Symposium Steering Com. Chair  
**The Microgrid Symposium Tradition**

### 09:30-11:00 Europe Session 1

**Chairs: Diana Strauss-Mincu (DERlab) & Samuli Honkapuro (Lappeenranta U. of Tech.)**

09:30-09:50 Nikos Hatziargyriou (NTUA & HEDNO), Symposium Steering Com. Chair  
**Overview of Microgrids in Europe**

09:50-10:00 *Discussion*

10:00-10:20 Christian Dumbs (INTERFLEX)  
**Project Enedis tbc**

10:20-10:30 *Discussion*

10:30-10:50 Josep Guerrero (U of Aalborg)  
**Maritime Microgrids**

10:50-11:00 *Discussion*

11:00-11:30 **Coffee Break**

### 11:30-12:30 Europe Session 2

**Chairs: Johan Driesen (KUL, tbc) & Jan Von Appen (Fraunhofer IEE)**

11:30-11:50 Goncalo Mendes (Lappeenranta U. of Tech.)  
**LUT developments on microgrid-related research**

11:50-12:00 *Discussion*

12:00-12:20 Enrico De Tuglie (Polytechnic University of Bari)  
**The Prince Lab microgrid test bed**

12:20-12:30 *Discussion*

12:30-13:30 **Lunch**

## Monday 03 September – Afternoon Session

### 13:30-15:30 THE AMERICAS Session

**Chairs: James Cale (Colorado State U) & Farid Katiraei (Quanta)**

13:30-13:50 Brian Miller (NREL) – United States and DOE Overview  
Dave Turcotte (NRCAN) – Canada  
Guillermo Jimenez (U of Chile) – Central and South America  
**Overview of Microgrids in The Americas**

13:50-14:00 *Discussion*

14:00-14:20 **Mohammad Shahidehpour (IIT, Chicago)**  
**Transactive Energy in Networked Microgrids**

14:20-14:30 *Discussion*

14:30-14:50 **Alex McEachern (Power Standards Lab)**  
**The Future of Stability Measurements on Microgrids**

14:50-15:00 *Discussion*

15:00-15:20 **Frank Bergh (Sigora)**  
**Microgrid Development in Haiti**

15:20-15:30 *Discussion*

15:30-15:45 **Group Photo Shoot**

15:45-16:00 **Short Break**

### 16:00-17:30 PANEL Session : Local Energy Communities

**Chair: Chris Marnay (Berkeley Lab) & Hiroshi Asano (CRIEPI)**

16:00-17:30

- Dimitris Tsekeris, (Greek Ministry of Energy) (confirmed)
- Stanislas D'Herbemont (RESCoop) invited
- Maria Bruccoli (EDF Energy R&D) confirmed
- Nan Zhou (Berkeley Lab) confirmed
- Ermin Wei (Northwestern U) invited
- Mihai Sanduleac (UPB) invited / Yiannis Vlachos invited

17:30-18:00 **Move to Hotels**

19:30-22:30 **Symposium Dinner**

## Tuesday 04 September – Morning Session

9:30-10:30 POSTER Introduction Session

**Chairs: Maria Brucoli (EdF R&D) & Shigeru Bando (CRIEPI)**

9:30-10:30 Each poster presenter gives a 3 min teaser:  
poster 1, poster 2, poster 3, poster 4, poster 5,  
poster 6, poster 7, poster 8, poster 9, poster 10,  
poster 11, poster 12, poster 13, poster 14, poster 15,  
poster 16, poster 17, poster 18, poster 19, poster 20

10:30-11:30 **Coffee break and posters visit**

11:30-12:30 **microPANEL on emerging technologies for microgrids**

**Chairs: Mohammad Shahidehpour**

11:30-12:30

- Petru Ruset (Siemens Romania)
- Hamideh [ABB]
- RTDS - Arun (tbc); Triphase? (tbc),..
- Martti Ylikoski (Nokia), tbc
- Someone from monitoring/control...?
- Paul Roege Typhoon HIL??

12:30-13:30 **Lunch**

## Tuesday 04 September – Afternoon Session

13:30-15:30 **ASIA Session**

**Chairs: Saad Sayeef (CSIRO) & Alex Chong (A\*STAR)**

13:30-13:50 Pierluigi Mancarella (U of Melbourne) & Meiqin Mao (Hefei U of Tech.)

**Overview of Microgrids in Asia**

13:50-14:00 *Discussion*

14:00-14:20 Zhaoxia Xiao (Tianjin Poly. U)

**Coordination Control of DC shipboard Microgrid**

14:20-14:30 *Discussion*

14:30-14:50 Markson Tang (tbc)

**Developing Island Microgrids in Southeast Asia**

14:50-15:00 *Discussion*

15:00-15:20 Hak-Man Kim (Incheon National U)

**Resilient Hybrid Technology for High-Value Microgrids (RHYTHM)**

15:20-15:30 *Discussion*

15:30-16:00 **Break**

16:00-17:30	<b>REMOTE Session (Shorter!)</b> <b>Chairs: Dave Turcotte (NRCan) &amp; Xavier Vallve (TTA)</b>
15:00-15:20	<b>Dongjun Won (Inha U)</b> <b>Overview of DC Island Microgrid in Korea</b> [to be presented by KEPCO]
15:20-15:30	<i>Discussion</i>
15:30-15:50	<b>Saikat Chakrabarti (Indian Institute of Technology Kanpur)</b> <b>tbc</b>
15:50-16:00	<i>Discussion</i>
16:00-16:20	<b>Michael Ross (Yukon College), Farid Katiraei (Quanta) &amp; Dave Turcotte</b> <b>Remote Microgrids in Canada</b>
16:20-16:30	<i>Discussion</i>
16:30-16:50	<b>Arnaud Henin (Gommyr)</b> <b>Solar-Battery Microgrids vs. Solar Home Systems</b>
16:50-17:00	<i>Discussion</i>
17:00-17:20	<b>Chun-Der Chang (CHEM)</b> <b>Penghu Dongjiyu Microgrid Enhancement</b>
17:20-17:30	<i>Discussion</i>

### Wednesday 5 & Thursday 6 September – Post-Symposium Technical Tour

09:00	<b>Bus departure from Bucharest</b>
12:15	<b>Arrival in Constanta</b>
12:15-13:15	<b>lunch</b>
16:00	<b>Arrival in Tulcea</b>
09:00	<b>Departure from Tulcea for Delta boat trip</b>
17:30	<b>Bus departure from Tulcea</b>
19:00	<b>Arrival in Bucharest</b>