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# Welcome to the 2017 Newcastle Symposium on Microgrids

# Appreciate to Sponsors



**S&C ELECTRIC COMPANY**

Excellence Through Innovation



**Associated Engineers**

Be Inspired - Be Consulted - Be Associated



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# Tradition of the International Symposiums on Microgrids

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Wed 29 Nov 2017

# Berkeley to Newcastle

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- series of 12 international microgrid symposiums,  
from 2005 in Berkeley, CA, U.S.A.  
to 2017 in Newcastle, Australia  
  
(Montreal 2006, Nagoya 2007, Kythnos Is. 2008, San Diego 2009,  
Vancouver 2010, Jeju Is. 2011, Évora 2012, Santiago 2013,  
Tianjin 2014, Aalborg 2015, Niagara 2016, Newcastle 2017)
- idea hatched at the  
1<sup>st</sup> International Conference on Integration of Renewable and  
Distributed Energy Resources (IRED), Brussels, Dec. 2004  
  
(Napa Valley 2006, Nice 2008, Albuquerque 2010, Berlin 2012,  
Kyoto 2014, Niagara 2016)

# Microgrid is for Real

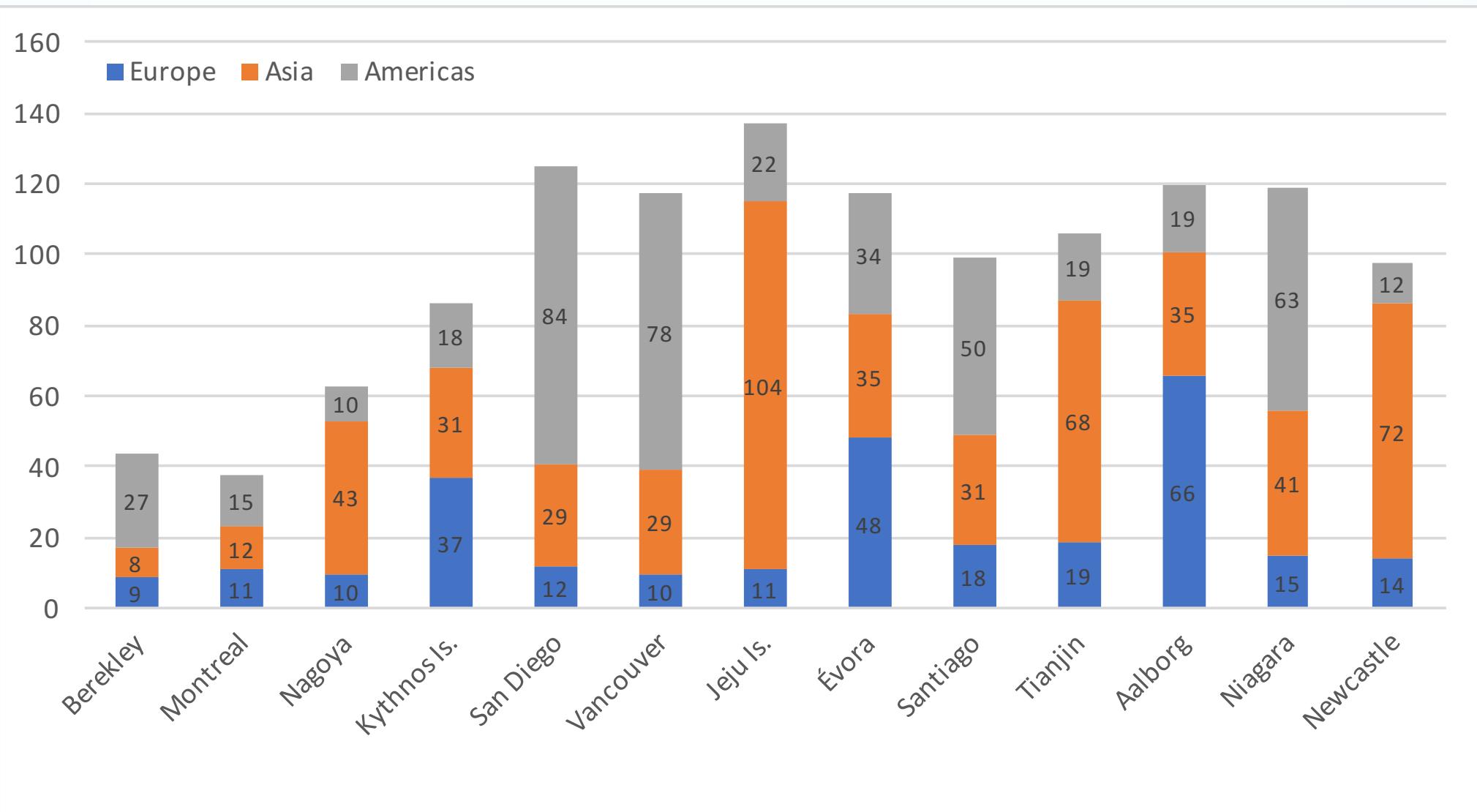


# Symposium Organization

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- informal origins shapes the approach
- no central organization, local character
- not usually any registration fee, sponsorship collected locally
- roughly rotates around regions, Asia, Europe, & Americas
- symposiums by-invitation-only, informal (only ppts., no papers)
  - include researchers, program managers,
  - policymakers, private sector reps. (sponsors), etc.
- speakers chosen by regional Steering Committee members
- posters chosen by Publications Committee
- poster intro session begins this year
- a panel session since Jeju's 2011 disasters panel

# Attendance Limited



# Int. Steering Com.

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## Rotating Officers:

Ryoichi Hara (ISC Chair)  
Saad Sayeef, (Symposium Co-Chair)  
Pierluigi Mancarella  
(Symposium Co-Chair)

## Europe & Africa:

Nikos Hatziargyriou (Lead), NTUA  
Johan Driesen, K.U. Leuven  
Josep Guerro, Aalborg U.  
Miky Albu, Politehnica U. Bucharest

## Asia & Oceania:

Dong-Jun Won (Acting Asia Lead)  
Jaeho Choi, Chungbuk Nat. U.  
Meiqin Mao, Hefei U. of Tech.  
Toshifumi Ise, Osaka U.  
Saad Sayeef, CSIRO  
Shigeru Bando, CRIEPI  
Alex Chong, A\*STAR  
Ryoichi Hara, Hokkaido U.  
Pierluigi Mancarella, U. of Melbourne

## The Americas:

Chris Marnay (Lead), Berkeley Lab  
Farid Katiraei, Quanta Tech..  
Guillermo Jimenez, U. of Chile  
Jim Cale, NREL

# Berkeley 2005



CERTS Berkeley 2005 Symposium on Microgrids  
Faculty Club, UC Berkeley  
Berkeley, CA  
June 17 2005

# Montréal 2006



**Montréal 2006 Symposium on Microgrids  
Le Grand Lodge Mont-Tremblant  
Québec, Canada - 23 June 2006**

# Nagoya 2007



**Nagoya 2007 Symposium on Microgrids  
Mielparque-Nagoya Hotel, Nagoya, Japan 6 Apr 2007**

# Kythnos Is. 2008



Kythnos 2008 Symposium on Microgrids  
Kythnos Is., Greece - 2 June 2008

# San Diego 2009

## San Diego 2009 Symposium on Microgrids



*Faculty Club, UC San Diego  
La Jolla, CA  
17 & 18 September 2009*

# Vancouver 2010



**Vancouver 2010 Symposium on Microgrids**

Fairmont Pacific Rim, Vancouver, BC, Canada

2010 July 21 - 22

# Jeju Is. 2011

**Jeju 2011 Symposium on Microgrids**

Seogwipo KAL hotel

Jeju Island, Korea, May 26 to 27 2011



# Évora 2012

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# Santiago 2013

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# Tianjin 2014



TIANJIN 2014 SYMPOSIUM ON MICROGRIDS  
GENEVA GRAND HOTEL, TIANJIN, CHINA    2014, NOVEMBER, 13-14

# Aalborg 2015



**Aalborg 2015 Symposium on Microgrids**

Aalborg, Denmark 27-28 August 2015

# Niagara-on-the-Lake 2016



# Newcastle 2017 Symposium on Microgrids

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- this brings us to Newcastle
- Saad Sayeef, CSIRO , Symposium Co-Chair  
and Pierluigi Mancarella, U. of Melbourne, Symposium Co-Chair
- Local Organizing Committee
  - John Ward, CSIRO
  - Tim Moore, CSIRO
  - Melina Gillespie, CSIRO
  - Stella Wang, Worcester Polytech. Inst.
  - Adam Berry, CSIRO
  - Jane Sherman, CSIRO
  - Nando Ochoa, U. of Melbourne

# Symposium Rules

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- casual clothing
- have fun
- appreciate and reward the hard work of  
the Steering and Local Organizing Committees  
by creating a productive, memorable, and enjoyable event

# WELCOME!

Maligayang pagdating  
*Benvinguts*

Velkommen

欢迎

Bienvenue

Willkommen

歡迎

Willkommen

WELCOME!

Wilicom

Bienvenue

Welkom

**BEMVINDOS**

ئىززەت - ئىكراام بىلەن قارشى ئالماق

నోమగ్, ఎల్లరొగొ సుసెపోగత;

Benvenuto

جوس آهيد