

Meltemi Community Smart Grid Pilot Site

30 June 2015

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Clean Energy
Solutions Center**

- **Sean Esterly**, National Renewable Energy Laboratory

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- **Dr. Nikos Hatziargyriou**, Professor, National Technical University of Athens
- **Dr. Aris L. Dimeas**, Senior Researcher, National Technical University of Athens

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Solutions Center Background and Vision

CleanEnergySolutions.org

The Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in April 2011. The Solutions Center:

- Is one of 13 CEM Initiatives, which include:
 - Global Superior Energy Performance Partnership
 - Super-Efficient Equipment and Appliance Deployment initiative
 - Global Lighting and Energy Access Partnership
- Helps governments design and adopt policies and programs that support the deployment of clean energy technologies
- Has more than 35 partners, including IRENA, IEA, IPEEC, Sustainable Energy for All, Bloomberg New Energy Finance and Leonardo Energy
- Is co-chaired by the U.S. Department of Energy and the Australian Department of Industry.



Australia



Denmark



India



Indonesia



Italy



Japan



Mexico



South Africa



Sweden



United Arab Emirates



United States

Clean Energy Solutions Center

CleanEnergySolutions.org

Goals

- **Serve** as the primary resource for clean energy policy information, assistance and peer learning for governments and government-affiliated practitioners.
- **Share** policy best practices, data, and analysis tools across countries.
- **Deliver** dynamic services that enable expert assistance, learning, and peer-to-peer sharing of experiences.
- **Foster** dialogue on emerging policy issues and innovation across the globe.

Primary

- Government Policy Makers
- Advisors

Secondary

- Private Sector Companies
- Energy Entrepreneurs and Investors
- Non-Governmental Organizations
- Civil Society
- Others Engaged in Clean Energy

Target Audiences

Ask-an-Expert: Our Experts in Action

CleanEnergySolutions.org



Connects policymakers to a global network of more than 30 energy experts for quick-response technical assistance on policies and programs relating to:



- Renewable Energy
- Energy Access
- Energy Efficiency
- Smart Grid
- Transportation
- Utilities

Delivered no-cost assistance for more than 120 requests from over 60 countries.



Please submit a question directly at
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Or contact me directly to find out how the Ask-an-Expert program can benefit your work:

Sean.Esterly@nrel.gov | 303-384-7436

Nikos Hatziargyriou, Professor, National Technical University of Athens



Professor Nikos Hatziargyriou was born in Athens in 1954. He received the diploma in Electrical and Mechanical Engineering from NTUA (National Technical University of Athens) and the MSC (1979) and PhD (1982) degrees in Electrical Power Engineering from the University of Manchester. He is Chairman and CEO of the Hellenic Distribution Network Operator. Since 1984, he has been with the Power Division of the Electrical and Computer Engineering Department of the National Technical University of Athens, and since 1995, he is a full professor in Power Systems. From February 2007 until September 2012, he was Deputy CEO of PPC (Public Power Corporation, the national power utility in Greece), responsible for the Transmission and Distribution Divisions, island DNO and the Center of Testing, Research and Prototyping. He was also executive vice-chair of PPC and vice-chair of PPC Renewables. Prof. Hatziargyriou has significant research experience with participation in more than 60 R&DD Projects, funded by the EU Commission and the power industry, and he has coordinated the EU projects “CARE”, “MORE CARE”, “RISE”, “MICROGRIDS”, “MORE MICROGRIDS”, “MERGE”, among others. He is author of the book “Microgrids: Architectures and Control” and of more than 180 journal publications and 500 conference proceedings papers.

Dr. Aris Dimeas, Senior Researcher, National Technical University of Athens



Dr. Aris L. Dimeas received the diploma in Electrical and Computer Engineering from NTUA (National Technical University of Athens) as well his PhD degree. He is currently senior researcher at Electrical and Computers Engineering Department of NTUA. He has experience in a variety of applications related to power systems operations, renewable energy sources, artificial intelligence on power systems, smart grids and control software development. His specific experience also includes development of control software for demand side management and communication interfaces between energy management systems and SCADAs. Furthermore, he was a consultant (2007-2012) in the department of Non Interconnected Islands of Public Power Corporation (PPC). He was involved with the preparation of the code for energy market in Crete, and he developed simulations of system operation focusing on the concept OF HYBRID STATIONS. In addition, he has collaborated in several studies and practical applications with other sectors/departments of PPC/HEDNO dealing with electronic meters, intelligent networks, and power quality. He is a member of IEEE and the Technical Chamber of Greece.

Question and Answer Session

Please submit any questions through the “Question Pane” of the GoToWebinar panel

Questions



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Attendee Survey

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THANK YOU!

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- For more information on the “Ask-an-Expert” program please email me directly:
 - Sean.Esterly@nrel.gov or 303-384-7436