UTC Smart-Grid Workshop 2011 (USW 2011)
12th October (Wednesday)
UC Auditorium, University of Tennessee at Chattanooga 735 Vine St, Chattanooga, TN 37403

Participation is open to industry, academia, government, and media, and is SUBJECT TO REGISTRATION

USW ‘11 aims to find answers and present solutions to the following questions from the industry and academic leaders; and to identify technical roadblocks for innovative research at UTC

- Is Smart Grid on Track or Loosing Momentum? (if on Track what is the Technology Road Map for the 21st Century Smart Grid)
- EPB envisions a saving of about $10 million a year. How? Using Smart Grid technologies or by simply trading off with consumers’ convenience?
- Illinois Governor dumped the Smart Grid bill, whereas Chicago-based Commonwealth Edison predicts customers could save $2.8 billion. What is the Value of the smart grid to Tennessee Valley Authority and its policymakers? What are the Challenges and Opportunities for the state of Tennessee?
- Consumers are bombarded with energy consumption data every 15 minutes intervals. Coping with the avalanche of data and information at Grid Edge – Killer Apps or Overkill the network resources?
- What makes consumers care about the Smart Grid? Lower Utility Bills ONLY?
- GE Sees ‘Exciting’ Growth and plugs, whereas Cisco and Google pulled out from Home Energy Management. Is Smart Grid still a mystery to the consumers and Investors?

USW ‘11 also aims to educate the participants interested in learning Concepts of Smart Grid through a special tutorial session.

Program

1. REGISTRATION (08:00 AM–09:00 AM)

2. OPENING PLENARY (9:00 AM to 09:30 AM)

**Dr. Ahmed Eltom**, Head of the Dept. of Electrical Engineering, UTC
Welcome and Speech (5 Min)

**Mr. Ron Littlefield**, Mayor, City of Chattanooga, State of Tennessee
Chattanooga’s aim to be the world’s “smartest city” (10 Min)

**Dr. Raziq Yaqub**, Dept. of Elect. Engineering, UTC
Overview of UTC’s Involvement in “Smart Energies” (10 Min)

**Dr. Will Sutton**: Dean of College of Engineering and Computer Science, UTC
3. Smart Grid Perspectives
(09:30 AM to 11:00 AM)

By John D. McDonald, Director, Technical Strategy & Policy Development, GE (Key Note Speaker) (15 Min)
Erich W Gunther, Chairman and CTO Enernex (15 Min)
David Wade, VP EPB (15 Min)
Dr. Eddie Roberson, Tennessee Regulatory Authority (TRA) The State of Tennessee (15 Min)
Rob Wilhite, Global Director/ Senior VP, Management and Operations Consulting KEMA (15 Min)
Q&A (15 Minutes)

4. NETWORKING BREAK (11:00 AM–11:15 AM)

5. Lessons Learned From Smart Grid Deployments, and Role of Smart Grid in Recent Natural Catastrophes
(11:15 AM to 12:15 PM)

Jim Sheffered, Manager Pricing, TVPPA (10 Min)
Bob Hay, Manager EPB (10 Min)
Jim Glass, Manager EPB (10 Min)
Paul D. Heitmann Utility Solution, ECOtality North America (EV Aspects) (10 Minutes)
Representative from TVA (10 Min)
Q&A (10 Min)

6. NETWORKING LUNCH BREAK (12:15 PM–01:15 PM)

7. TUTORIAL Smart Grid Concepts and Applications
(01:15 PM–03:15PM)

John D. McDonald, Director, Technical Strategy & Policy Development, GE.

8. NETWORKING BREAK (03:15 PM–03:30 AM)

9. PANEL DISCUSSION: Is Smart Grid on Track or Loosing Momentum? (if on Track what is the Technology Road Map for the 21st Century Smart Grid)
### Workshop Organizer

**Chair:**

Dr. **Raziq Yaqub**, Department of Electrical Engineering, EMCS-315A, The University of Tennessee at Chattanooga
Ph: +1-423-425-4373, Fax: +1-423-425-5229, Mobile +1-908-319-8422, raziq-yaqub@utc.edu

**Committee**
Dr. Stephen Craven,  
Dr. Abdul Ofoli,  
Dr. Nur Sisworahardjo  
Naga Durga Praveen Vemulapalli (Graduate Student)  
Nelli Sichwart (Graduate Student)

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<th>Time</th>
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<td>(03:30PM to 04:45PM)</td>
<td>Dr. Mohammad Shahidehpour, Bodine Chair Professor, Illinois Institute of Technology.</td>
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