



2nd UTC Smart-Grid Workshop 2012 (USW 2012)

3rd October (Wednesday)

University of Tennessee at Chattanooga (UTC),

All sessions will be held at UC Auditorium at 735 Vine St, Chattanooga, TN 37403

Participation is open to industry, academia, government, and media, and is subject to registration



REGISTRATION IS FREE • EVERYONE IS WELCOME • REGISTER BY SEPTEMBER 29th 2012
6 CONTINUING EDUCATION CREDITs (CEUS) AVAILABLE
A BUFFET LUNCH WILL BE PROVIDED

REGISTER AT: <http://blog.utc.edu/electricalengineering/2012/08/16/2nd-utc-smart-grid-workshop-2012-usw-2012/>

Workshop Objectives

- **Keynote session** will provide a true insight and state of the art knowledge on “Cyber Security in an Unsecured World”.
- A **Special session** on “Smart Grid-2015” is specifically designed for technical managers to provide comprehensive knowledge on Current Utility Trends, Implications and Key Challenges envisioned in the next 3-years.
- An **Educational session** is specifically setup for researchers and students, and aims to present latest innovations in smart generation, transmission, distribution, and consumption. It will also focus on role of ICT in Smart Grid new applications.
- Last session a **Panel Discussion** aims to bring the technical, financial and regulatory experts to take a moment and assess if smart grid has been a smart or a dumb investment so far.
- In addition it provides networking opportunities (breaks and lunches) to students, employers and job seekers.

Workshop Program

(Full program and speaker biographies, can be found at <http://blog.utc.edu/electricalengineering/>)

REGISTRATION (08:30 AM - 09:00 AM)

Session-1A: OPENING PLENARY (9:00 AM - 09:45 AM)

Dr. Will Sutton: Dean of College of Engineering and Computer Science, UTC

Welcome (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, Associate Professor, Dept. of Electrical Engineering, UTC

Overview of UTC's involvement in "Smart Energies" (10 Min)

Dr. Ahmed Eltom, Head of the Dept. of Electrical Engineering, UTC

Thanks and Brief Speech (5 Min)

Session-1B: Keynote Speech: “Cyber Security in Unsecured World” (09:45 AM - 10:45 AM)

Dr. Parag Pruthi, Founder, Chairman and CEO, NIKSUN Inc. Princeton, New Jersey

NETWORKING BREAK-1: (10:45 AM - 11:00 AM)

Session-2: Special Session: “Smart Grid by 2015—Utility Trends, Implications and Challenges” (11:00 AM - 12:30 PM)

Jacinda B. Woodward, P.E., Vice President, Transmission Reliability & Operations

Utility Trends with the focus on “Integration of Demand Response into Power System Operations”

Mark Keil, Chief Information Officer for the City of Chattanooga

The new Opportunities, challenges and Pitfalls of Managing Smart Grid Big Data

Jim Glass Manager of Smart Grid Development, EPB

Utility Trends with the focus on "Role of fiber backbone in secure and fast-acting distribution automation systems"

LUNCH BREAK: (12:30 PM - 01:30 PM) (Lunch Provided)

**Session-3: Educational Session: "Smart Grid Recent Innovations"
(01:30 PM - 03:00PM)**

Dr. Edmund O. Schweitzer, (Founder and President, Schweitzer Engineering Lab), Pullman Washington, USA.

Emerging Energy Services Interface (ESI), Distributed Generation, and Demand Response.

Dr. Rajit Gadh, Professor UCLA, and Founder and Director of the Wireless Internet for Mobile Enterprise Consortium

Innovative role of ICT in integration of EV-Batteries based Mobile Microgrids

Michael V. Hand, CEEO, Hand Energy Automation and Technology LLC

Achieving NERC Compliance In The Smart Grid

Jerry B. Finley, TVA

Latest Innovations in power line communication and Control

NETWORKING BREAK-2 (03:00 PM - 03:30 AM)

**Session-4: PANEL DISCUSSION: "Has Smart Grid Been a Smart or Dumb Investment So Far"
(03:30PM - 05:00PM)**

Moderator: Dr. Raziq Yaqub, UTC

Speakers from TVA and EPB

Utility View: "Is it time to give up or align the strategy?"

Dr. Edmund O. Schweitzer, (Founder and President, Schweitzer Engineering Lab),

Protection & Automation Perspective: From a Leading manufacturer of protection, monitoring, automation, and metering of power systems

Dr. Rajit Gadh, Professor UCLA, and Founder and Director of the Wireless Internet for Mobile Enterprise Consortium

A View from Smart Innovations point: From a Founding Director of the UCLA Smart Grid Energy Research Center.

Dr. Parag Pruthi, Founder, Chairman and CEO, NIKSUN Inc. Princeton, New Jersey

From Cyber Security Perspective: From a Leading Innovator in Advanced Cyber Security Technologies

Regulatory Subject Matters Expert

A Regulatory Perspective on Smart Grid

Registration Options

Registration is required and may be done online at UTC's website <http://blog.utc.edu/electricalengineering/2012/08/16/2nd-utc-smart-grid-workshop-2012-usw-2012/>. OR via email at Sherri Crawford (Sherri-Crawford@utc.edu).

Get Continuing Education Credit (CEUs)

6 CEU's will be available for 6 contact hours. The cost to the individual is \$10 and can be paid at registration with a check or cash.

Workshop Chair and Organizer:

Dr. Raziq Yaqub, Department of Electrical Engineering, The University of Tennessee at Chattanooga (UTC)

Ph: +1-423-425-4373, Fax: +1-423-425-5229, Mobile +1-908-319-8422, raziq-yaqub@utc.edu.

Workshop Co-Chairs

Dr. Eltom Ahmed, University of Tennessee at Chattanooga (UTC)

Asif Choudhry, Tennessee Valley Authority, (TVA)

Tiffany Gibby, Tennessee Valley Authority, (TVA)

Bob Hay, Electric Power Board (EPB)

Dr. Nur Sisworahardjo, Department of Electrical Engineering, (UTC)