

## **Smart Grid Educational Series Monthly Webinars & Seminars**

### **URLS for Online Repository of Presentations, Supporting Documents and Webcast Recordings from January 2012 – January 2013**

Dr. Erfan Ibrahim, Founder & CEO of The Bit Bazaar LLC and Energy Practice Lead at Scitor Corporation, is offering these monthly seminars/webinars as a free public service to bridge the knowledge gap in the industry and inspire a new generation of students, researchers, engineers, and policy experts to understand the technical, policy and business requirements to enable Smart Grids and develop the skill set to design, build and manage the infrastructure in a commercially viable way.

The Smart Grid Educational series has recently launched the “**Scitor Energy Academy**” to offer 1-day and 2-day onsite workshops on Smart Grid related topics to utility staff, regulators, trade association members and product vendors.

These flat fee based onsite workshops cover key topics in Transmission, Distribution, End Use, Energy Efficiency and Energy Markets. The workshops address both Information Technology and Operational Technology Issues with a keen focus on cybersecurity, data privacy, architecture, standards, data integration, applications and technology implementations. The workshops also cover policy, economics, business process and compliance aspects as needed to provide a broad based education.

The format for the onsite workshops is hands on and custom tailored to meet the workforce training needs of each client. The instructors that have been retained are industry leaders in their respective fields with a strong drive to educate the interns, the new hires, the mid-career transitions and management to improve their productivity and participate more effectively in industry collaborations. For more information on these workshops and how your organization can take advantage of this offering, please contact Dr. Erfan Ibrahim by email at [eibrahim@scitorenenergy.com](mailto:eibrahim@scitorenenergy.com).

### **SG Educational Series Webinar Links Repository January 2012 – January 2013**

#### **January 9<sup>th</sup> 2012 Webinar presentations & webcast recording**

[http://dl.dropbox.com/u/72198676/SGES\\_010912\\_DoE\\_presentations.pdf](http://dl.dropbox.com/u/72198676/SGES_010912_DoE_presentations.pdf)

*Smart Grid Educational Series January 2012 Webcast-20120109 2104-1  
January 9, 2012, 1:04 pm San Francisco Time*

*1 hour 29 mins*

### **DoE Presentation on Critical Infrastructure Protection**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=4656492&rKey=535a70c55dc30af1>

### **February 13<sup>th</sup> 2012 Webinar presentations and webcast recording**

<http://dl.dropbox.com/u/72198676/Understanding%20OpenADR%20%200.pdf>

<http://dl.dropbox.com/u/72198676/Modular%20Communication%20Interface%20-%20USNAP.pdf>

<http://dl.dropbox.com/u/72198676/Ben%20Boyd%20SG%20Educational%20Webcast%20Feb%2013%202012%20Public.pdf>

*Smart Grid Educational Series February 2012 Webcast-20120213 2100-1*

*February 13, 2012, 1:00 pm San Francisco Time*

*1 hour 49 mins*

### **Smart Grid Policy, OpenADR, Standardized Interface**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=4804277&rKey=2cea501d616e1c9d>

### **March 12<sup>th</sup> 2012 Webinar presentations and webcast recording**

<http://dl.dropbox.com/u/72198676/Slides%20for%20Smart%20Grid%20Educational%20Webinar%2012%20Mar%202012%20FINAL.pdf>

[http://dl.dropbox.com/u/72198676/2012%20Smart%20Grid%20Trade%20Missions\\_Commercial%20Service.pdf](http://dl.dropbox.com/u/72198676/2012%20Smart%20Grid%20Trade%20Missions_Commercial%20Service.pdf)

*Smart Grid Educational Series March 2012 Webcast-20120312 2001-1*

*March 12, 2012, 1:01 pm San Francisco Time*

*1 hour 39 mins*

### **NIST Smart Grid Overview**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=4935982&rKey=47ec2c96cf718a47>

### **April 9<sup>th</sup> 2012 Webinar presentations, documents and webcast recording**

<http://dl.dropbox.com/u/72198676/20120406%20Smart%20Meter%20Safety%20and%20EME%20-%20v1.pdf>

[http://dl.dropbox.com/u/72198676/Kilbourne\\_dedicated\\_spectrum.pdf](http://dl.dropbox.com/u/72198676/Kilbourne_dedicated_spectrum.pdf)

<http://dl.dropbox.com/u/72198676/OnLineLectureRajitGadh-Monday-Apr-9-2012.pdf>

<http://dl.dropbox.com/u/72198676/CharctrztnRFemissnsEPRI.pdf>

<http://dl.dropbox.com/u/72198676/EPRIemissions.pdf>

[http://dl.dropbox.com/u/72198676/OpenWay%20Wireless%20Transmissions\\_24%20Hour%20Duty%20Cycle.pdf](http://dl.dropbox.com/u/72198676/OpenWay%20Wireless%20Transmissions_24%20Hour%20Duty%20Cycle.pdf)

[http://dl.dropbox.com/u/72198676/wp\\_analysis\\_RFexposure\\_OW\\_comm equip.pdf](http://dl.dropbox.com/u/72198676/wp_analysis_RFexposure_OW_comm equip.pdf)

***Smart Grid Educational Series April 2012 Webcast-20120409 2000-1***  
***April 9, 2012, 1:00 pm San Francisco Time***  
***2 hours 4 mins***

**Utilities Telecom Council presentation on RF Safety of Smart Meters and the Need for Dedicated Spectrum in the utilities industry**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5075797&rKey=542140f0d546d215>

## **May 14<sup>th</sup> 2012 Webinar presentations, documents and webcast recording**

<http://dl.dropbox.com/u/72198676/Advanced%20SGNMS%20-%20January%202012.pdf>

<http://dl.dropbox.com/u/72198676/WEST%20Summit%20Slide.ppt>

[http://dl.dropbox.com/u/72198676/2012.05.30\\_NESCO\\_TownHall.pptx](http://dl.dropbox.com/u/72198676/2012.05.30_NESCO_TownHall.pptx)

***Smart Grid Educational Series May 2012 Webcast-20120514 2002-1***  
***May 14, 2012, 1:02 pm San Francisco Time***  
***1 hour 21 mins***

**Andres Carvallo presentation on Smart Grid Network Management System**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5231167&rKey=637cb97d87554f8f>

## **June 18<sup>th</sup> 2012 Webinar presentations, documents and webcast recording**

<http://dl.dropbox.com/u/72198676/Infotility%20DER%20Future.ppt>

***Smart Grid Educational Series June 2012 Webcast-20120618 2002-1***  
***June 18, 2012, 1:02 pm San Francisco Time***

*1 hour 27 mins*

**David Cohen's presentation on Distributed Energy Resources**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5385222&rKey=1d6bb17c0be8ddeb>

## **July 16<sup>th</sup> 2012 Webinar presentations, documents and webcast recording**

[http://dl.dropbox.com/u/72198676/SGES\\_071612\\_XMPP\\_presentation\\_william\\_miller.pdf](http://dl.dropbox.com/u/72198676/SGES_071612_XMPP_presentation_william_miller.pdf)

*Smart Grid Educational Series July 2012 Webcast-20120716 2029-1*

*July 16, 2012, 1:29 pm San Francisco Time*

*1 hour 5 mins*

**William Miller's presentation on XMPP for the Smart Grid, ISO/IEC/IEEE 21451.1.4 eXtensible Markup and Presence Protocol Interface (XMPP) Standard for Sensors, Actuators, and Networked Devices**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5499267&rKey=482fbd61e182b8f0>

## **August 13<sup>th</sup> 2012 Webinar presentations, documents and webcast recording**

[http://dl.dropbox.com/u/72198676/sges\\_ics\\_security\\_blackridge\\_081312.pdf](http://dl.dropbox.com/u/72198676/sges_ics_security_blackridge_081312.pdf)

*Smart Grid Educational Series Webinar/Seminar for August 2012-20120813 1958-1*

*August 13, 2012, 12:58 pm San Francisco Time*

*1 hour 35 mins*

**John Hayes presentation on securing Industrial Control Systems**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5618162&rKey=9a8b26915718356b>

## **September 4<sup>th</sup> 2012 Webinar presentations, documents and webcast recording**

[http://dl.dropbox.com/u/72198676/sges\\_fireeye\\_phil\\_lin\\_security\\_presentation.pdf](http://dl.dropbox.com/u/72198676/sges_fireeye_phil_lin_security_presentation.pdf)

*Smart Grid Educational Series September 2012 Webcast-20120904 2000-1*

*September 4, 2012, 1:00 pm San Francisco Time*

*1 hour 30 mins*

Phil Lin's ([plin@fireeye.com](mailto:plin@fireeye.com)) presentation on "Protecting Your Utility in the Age of Next-Generation Cyber Attacks"

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5705182&rKey=e109e07daec16e35>

*October 2012 and November 2012 SG Educational Series webinar were canceled to accommodate Grid Week 2012 and Grid Sec 2012 conferences in DC and San Francisco respectively.*

## **December 11<sup>th</sup> 2012 Webinar presentations, documents and webcast recording**

[http://dl.dropbox.com/u/72198676/sges\\_smartusys\\_satish\\_kris\\_mobile\\_apps\\_dec\\_11.pdf](http://dl.dropbox.com/u/72198676/sges_smartusys_satish_kris_mobile_apps_dec_11.pdf)

*Smart Grid Educational Series Webinar/Seminar for December 2012-20121211 2101-1  
December 11, 2012, 1:01 pm San Francisco Time  
1 hour 43 mins*

G Satish's ([satish@smartusys.com](mailto:satish@smartusys.com)) and Kris Roberts' ([kris.roberts@smartusys.com](mailto:kris.roberts@smartusys.com)) presentation on Mobile Applications @ Utilities: Customer Engagement, Workforce Management and Operational Efficiencies. Meet them at booth 829 @ Distributech 2013 in San Diego. Presentation slides become visible after 5-6 minutes of the webcast.

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=6152702&rKey=c8773516953c4d95>

## **January 22<sup>nd</sup> 2013 Webinar presentations, documents and webcast recording**

**SGIP 2.0 presentations from Marianne Swanson, Jerry Fitzpatrick and Rik Drummond**

[http://dl.dropbox.com/u/72198676/sges\\_sgip2.0\\_cybersecurity\\_marianne\\_012213.pptx](http://dl.dropbox.com/u/72198676/sges_sgip2.0_cybersecurity_marianne_012213.pptx)

[http://dl.dropbox.com/u/72198676/sges\\_sgip2.0\\_TnD\\_jerry\\_012213.pptx](http://dl.dropbox.com/u/72198676/sges_sgip2.0_TnD_jerry_012213.pptx)

[http://dl.dropbox.com/u/72198676/sges\\_sgip2.0\\_cert\\_testing\\_rik\\_012213.ppt](http://dl.dropbox.com/u/72198676/sges_sgip2.0_cert_testing_rik_012213.ppt)

*Smart Grid Educational January 2013 Webcast-20130122 2101-1  
January 22, 2013, 1:01 pm San Francisco Time  
1 hour 50 mins*

**Webcast recording for SGIP 2.0 presentations**

**Marianne Swanson ([Marianne.swanson@nist.gov](mailto:Marianne.swanson@nist.gov)) presentation on Cybersecurity Committee, Jerry Fitzpatrick ([Gerald.fitzpatrick@nist.gov](mailto:Gerald.fitzpatrick@nist.gov)) on the TnD DEWG, and Rik Drummond ([rikd@drummondgroup.com](mailto:rikd@drummondgroup.com)) on Smart Grid Testing & Certification Group**

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=6288987&rKey=a36cde37a8bf3156>

## **SG Educational Series Seminar Links From January 2012 – January 2013**

### **1<sup>st</sup> Seminar presentations, documents and webcast recording (March 20<sup>th</sup> 2012)**

**Keynote address on Transactive Energy by Ed Cazalet (Temix Inc.)**

#### **Presentation**

<http://dl.dropbox.com/u/72198676/Transactive%20Energy-Cazalet.pdf>

<http://dl.dropbox.com/u/72198676/Cazalet%20Foothill%20Presentation%20March%2020%202012.pdf>

**Webcast Recording of keynote presentation (redone on March 22<sup>nd</sup> for better sound)**

*Smart Grid Educational Series Foothill College Inaugural Seminar-20120322 2342-2  
March 22, 2012, 4:42 pm San Francisco Time  
1 hour*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5004882&rKey=26f5ba920214789f>

**Panel Discussion with Anne Smart (SVLG), Ed Cazalet, Mark Toney (TURN), Jeff Byron (NRG Energy), and Chris Villarreal (CPUC) on the role of Customer in Smart Grid**

#### **Presentation by Anne Smart**

<http://dl.dropbox.com/u/72198676/Smart%20Grid%20PPT.pdf>

**Webcast Recording of panel discussion**

*Smart Grid Educational Series Foothill College Inaugural Seminar-20120320 2315-1  
March 20, 2012, 4:15 pm San Francisco Time  
2 hours 27 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=4986782&rKey=46daae76cdf46c8d>

### **2<sup>nd</sup> Seminar presentations, documents and webcast recording (April 17<sup>th</sup> 2012)**

**Keynote address on Information Sharing by Chris Blask (ICS Cybersecurity)**

## **Presentation**

[http://dl.dropbox.com/u/72198676/SGES\\_chris\\_Information%20Sharing%20v0.3.pptx](http://dl.dropbox.com/u/72198676/SGES_chris_Information%20Sharing%20v0.3.pptx)

**Panel Discussion on Power Systems Cybersecurity with David Bowles (WaveStrong Inc.) and Erfan Ibrahim (The Bit Bazaar LLC)**

## **Presentation by David Bowles**

<http://dl.dropbox.com/u/72198676/WaveStrong%20Presentation%5BPowerSystems%5D.ppt.pdf>

## **Presentation by Erfan Ibrahim**

[http://dl.dropbox.com/u/72198676/SGES\\_erfan\\_cybersecurity\\_presentation\\_0417.pptx](http://dl.dropbox.com/u/72198676/SGES_erfan_cybersecurity_presentation_0417.pptx)

**Webcast recording of keynote address and panel discussion on cybersecurity for power systems**

*Smart Grid Educational Series Seminar for April 2012-20120417 2309-1*  
*April 17, 2012, 4:09 pm San Francisco Time*  
*2 hours 56 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5114182&rKey=76ffa61136fcbbea>

## **3<sup>rd</sup> Seminar presentations, documents and webcast recording (June 25<sup>th</sup> 2012)**

**Keynote address on Distributed Energy Resources by Frances Cleveland (Xanthus Consulting International)**

## **Presentation**

<http://dl.dropbox.com/u/72198676/DER%20Functions%2C%20Communication%20Challenges%2C%20and%20Standards.pdf>

**Webcast recording of keynote address by Frances Cleveland on DER**

*Smart Grid Educational Series Seminar for June 2012-20120625 2301-1*  
*June 25, 2012, 4:01 pm San Francisco Time*  
*1 hour 26 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5419092&rKey=ff2d4d4c7e8a78d3>



**Panel discussion on Distributed Energy Resources with Frances Cleveland, Ed Cazalet (Temix Inc.) and Craig Lewis (Clean Coalition)**

**Presentation by Ed Cazalet**

<http://dl.dropbox.com/u/72198676/TeMix%20DER%20Cazalet.pdf>

**Webcast recording of panel discussion on DER with presentation from Ed Cazalet & input from Craig Lewis and Frances Cleveland**

*Smart Grid Educational Series Seminar for June 2012-20120626 0115-2  
June 25, 2012, 6:15 pm San Francisco Time  
1 hour 12 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5419102&rKey=afaafe59f12d07c0>

**4<sup>th</sup> Seminar presentation, documents and webcast recording (July 23<sup>rd</sup> 2012)**

**Keynote address on Asset Management presented by Robert Kaehler of Sunflower Systems titled “Stuff Matters”**

**Presentation:**

[http://dl.dropbox.com/u/72198676/SGES\\_072312\\_asset\\_management\\_bob\\_kaehler.pdf](http://dl.dropbox.com/u/72198676/SGES_072312_asset_management_bob_kaehler.pdf)

**Webcast recording of keynote presentation by Robert Kaehler**

*Smart Grid Educational Series Seminar for July 2012-20120723 2304-1  
July 23, 2012, 4:04 pm San Francisco Time  
1 hour 58 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5530922&rKey=a0382f7af83b78c3>

**Panel discussion on Asset Management led by Robert Kaehler**

*Smart Grid Educational Series Seminar for July 2012-20120724 0128-2  
July 23, 2012, 6:28 pm San Francisco Time  
55 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5530932&rKey=d28add428382a1e7>

## **5<sup>th</sup> Seminar presentation, documents and webcast recording (August 21<sup>st</sup> 2012)**

**Keynote address on Dynamic Pricing presented by Dr. Ahmad Faruqui of Brattle Group**

**Presentation:**

[http://dl.dropbox.com/u/72198676/sges\\_dynamic\\_pricing\\_brattle\\_082112.pdf](http://dl.dropbox.com/u/72198676/sges_dynamic_pricing_brattle_082112.pdf)

**Webcast recording of Dr. Faruqui's keynote presentation**

*Smart Grid Educational Series Seminar for August 2012-20120821 2307-1  
August 21, 2012, 4:07 pm San Francisco Time  
1 hour 34 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5653777&rKey=b7ee16b557f302d9>

**Panel discussion on Dynamic Pricing moderated by Judith Schwartz of "To The Point"**

*Smart Grid Educational Series Seminar for August 2012-20120822 0123-2  
August 21, 2012, 6:23 pm San Francisco Time  
1 hour 4 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5653787&rKey=933f892d38381b88>

## **6<sup>th</sup> Seminar presentation, documents and webcast recording (September 18<sup>th</sup> 2012)**

**Keynote address on Business Process Security presented by Partha Datta Ray, Founder of Albeado.**

**Presentation:**

[http://dl.dropbox.com/u/72198676/sges\\_albeado\\_SGIBMKynt.pdf](http://dl.dropbox.com/u/72198676/sges_albeado_SGIBMKynt.pdf)

**Webcast recording of Partha Datta Ray's presentation and panel discussion with Anto Bujiardo of Clasma on the complexity of the Smart Grid:**

*Smart Grid Educational Series Seminar for September 2012-20120919 0105-1  
September 18, 2012, 6:05 pm San Francisco Time  
1 hour 32 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5773987&rKey=2b45fbbe6615e817>

## **7<sup>th</sup> Seminar presentation, documents and webcast recording (October 3<sup>rd</sup> 2012)**

Webcast recording of the Cybersecurity Risk Management panel discussion at Grid Week in Washington DC lead by Bob Lockhart of Pike Research.

The panelists included:

1. **Matthew Light** - Electric Sector Cybersecurity Maturity Model Project Manager at DoE,
2. **Tim Roxey** - Chief Cybersecurity Officer at NERC,
3. **Glenn Haddox** – Director, IT Cybersecurity & Compliance at Southern California Edison,
4. **Erfan Ibrahim** - Founder and CEO, The Bit Bazaar LLC - A Marketplace for Digital Ideas based in Mountain View CA

*Smart Grid Educational October 2012 Webcast-20121003 1936-1*  
*October 3, 2012, 12:36 pm San Francisco Time*  
*1 hour 26 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=5847277&rKey=d2c761057782e659>

## **8<sup>th</sup> Seminar presentation, documents and webcast recording (November 27<sup>th</sup> 2012)**

Chris Heckart's (IBM) Keynote Presentation & Q&A on Smart Grid

Presentation

[http://dl.dropbox.com/u/72198676/sges\\_seminar\\_IBM\\_E%26U\\_Industry\\_Overview.pdf](http://dl.dropbox.com/u/72198676/sges_seminar_IBM_E%26U_Industry_Overview.pdf)

*Webcast recording of Chris Heckart's (IBM) keynote and Q&A on Smart Grid*

*Smart Grid Educational Series Seminar for November 2012-20121128 0201-1*  
*November 27, 2012, 6:01 pm San Francisco Time*  
*1 hour 52 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=6085647&rKey=75051f5f69579e2a>

## **9<sup>th</sup> Seminar presentation, documents and webcast recording (December 18<sup>th</sup> 2012)**

Shivank Dua's (Niksun) Keynote Presentation on "Innovative Protection and Forensic Solutions for the Energy Smart Grid"

**Presentation:**

[http://dl.dropbox.com/u/72198676/sges\\_niksun\\_shivank\\_forensic\\_solutions\\_121812.pdf](http://dl.dropbox.com/u/72198676/sges_niksun_shivank_forensic_solutions_121812.pdf)

**Webcast recording of Shivank's keynote presentation, demo and Q&A on "Innovative Protection and Forensic Solutions for the Energy Smart Grid"**

*Smart Grid Educational Series Seminar for December 2012-20121219 0201-1  
December 18, 2012, 6:01 pm San Francisco Time  
1 hour 41 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=6189077&rKey=a47c57e24eddaf60>

**10<sup>th</sup> Seminar presentation, documents and webcast recording (January 23<sup>rd</sup> 2013)**

**Mike Bourton's presentation on the status update for Smart Energy Profile 2.0**

**Presentation:**

[http://dl.dropbox.com/u/72198676/sges\\_grid2home\\_sep2.0\\_update\\_mike\\_bourton\\_012313.pdf](http://dl.dropbox.com/u/72198676/sges_grid2home_sep2.0_update_mike_bourton_012313.pdf)

**Webcast recording Mike Bourton's ([mbourton@grid2home.com](mailto:mbourton@grid2home.com)) presentation on Smart Energy Profile 2.0**

*Smart Grid Educational Series Seminar for January 2013-20130124 0200-2  
January 23, 2013, 6:00 pm San Francisco Time  
1 hour 45 mins*

<https://thebitbazaar.webex.com/thebitbazaar/lsr.php?AT=pb&SP=EC&rID=6298117&rKey=d78070ec6105b2c6>