



Fourth Annual NSF EFRI Clemson-GTech-MST Workshop

Madren Conference Center (MC), Clemson University
October 28-30, 2012
Workshop Program

Sunday Oct 28, 2012		
Reception	5 PM – 7 PM	MC Patio
Monday Oct 29, 2012		
Investigators' Highlights & Keynote Day		
<i>Welcome & Opening Remarks</i>	Clemson ECE Dept. Chair Dr. Darren Dawson 8:15 AM – 8:30 AM	Seminar Room II
<i>Project Overview and Accomplishments</i>	Dr. G. Kumar Venayagamoorthy - PI 8:30 AM – 9:30 AM	Seminar Room II
<i>Thrust #1 – Neurobiology Highlights</i>	Dr. Steve Potter - co-PI 9:30 AM – 10:15 AM	Seminar Room II
Coffee Break	10:15 AM – 10:45 AM	North Lobby
<i>Thrust #2 – Learning Algorithms Highlights</i>	Dr. Donald C Wunsch II - co-PI 10:45 AM – 11:20 AM	Seminar Room II
<i>Thrust #2 – Power Electronics Highlights</i>	Dr. Keith Corzine - Senior Personnel 11:20 AM – 11:55 AM	Seminar Room II
Lunch	12 PM – 1:00 PM	Seasons by the Lake
<i>Thrust #2 – Intelligent Power Systems I Highlights</i>	Dr. Ronald Harley- co-PI 1:00 PM – 1:35 PM	Seminar Room II
<i>Thrust #2 – Intelligent Power Systems II Highlights</i>	Dr. Kumar Venayagamoorthy- PI 1:35 PM – 2:25 PM	Seminar Room II
<i>Thrust #2 – Cellular Neural Networks & Learning Highlights</i>	Dr. Bipul Luitel - Senior Personnel 2:25 PM – 2:55 PM	Seminar Room II
Coffee Break	2:55 PM – 3:20 PM	North Lobby
Keynote I <i>Improving Situational Awareness of Power Grids</i>	Dr. N Zhou – DOE PNNL 3.20 PM – 4.20 PM	Seminar Room II
Keynote II (CU COES Seminar) - <i>Energy Challenges Facing the Nation and NSF Opportunities to Address Them</i>	Dr. Paul Werbos - NSF 5 PM – 6 PM	Earle Hall 100
Dinner	6:45 PM	Country Walk

Tuesday Oct 30, 2012**Students' Day**

<i>Brain2Grid Website Highlights</i>	Sirjana 8:00 AM – 8:15 AM	Seminar Room II
<i>Communicating with Living Neuronal Networks on Microelectrode Arrays for Computation and Control</i>	Robert Ortman 8:15 AM – 8:50 AM	Seminar Room II
<i>Computation using Latency dynamics in Living and Artificial Neural Networks</i>	Riley Zeller-Townson 8:50 AM – 9:25 AM	Seminar Room II
<i>Biologically Inspired Artificial Neural Networks</i>	Jing Dai 9:25 AM – 10:00 AM	Seminar Room II
<i>Coffee Break</i>	10:00 AM – 10:15 AM	North Lobby
<i>Modeling and Intelligent Control for an Electric Power Micro-Grid</i>	Yi Deng 10:15 AM – 10:50 AM	Seminar Room II
<i>Dynamic Performance Models of Wind Turbine Generators</i>	Prajwal Gautam 10:50 AM – 11:25 AM	Seminar Room II
<i>Damping Electromechanical Oscillations in Large-Scale Power Systems Using Intelligent Aggregated Control</i>	Diogenes Molina 11:25 AM – 12:00 PM	Seminar Room II
<i>Scalable Monitoring and DSOPF Control in Smart Grids</i>	Karthikeyan Balasubramaniam 12:00 AM – 12:35 PM	Seminar Room II
Lunch	12:40 PM – 1:45 PM	Seasons by the Lake
Student Posters & Demos	2.15 PM – 5.45 PM	SB2 and SB3, Riggs Hall
Banquet Dinner	6:30 PM – 8.30 PM	Meeting Room IV

Brain2Grid Workshop Adjourns