Friday, November 16, 2012

7:00 am 12:00 noon Registration Desk Open
7:30 am 8:30 am Continental Breakfast
8:45 am 10:00 am Plenary Session - Cyber Security of Energy Infrastructure - Salon A&B

Speaker: Ralph Martinez
Director of Energy Initiatives & Distinguished Professor | The University of Texas at El Paso, USA
Presentation Title: Cross-Cutting Domain Challenges and Solutions in Smart Grids

10:00 am 10:30 am Break

10:30 am 12:00 noon Concurrent Technical Sessions

Computational Intelligence and Machine Learning V

Session Chair: Alper Mural

456 - Promoting Search Diversity in Ant Colony Optimization with Stubbomb Ants
Ashraf M. Abdelbar - American University in Cairo, Egypt; Donald C. Wunsch II - Missouri S&T, USA

463 - Swarm Theory Applied to Air Traffic Flow Management
Sergio Torres - Lockheed Martin, USA

432 - Promoter Analysis with Wavelets and Support Vector Machines
Makihiko Sato - Maebashi Institute of Technology, Japan

294 - Assessing Mictacognitive Skills Using Adaptive Neural Networks
Justin Anderson | Koudser Mohkfar | Arun Kulkarni - The University of Texas at Tyler, USA

356 - Traffic Simulation System Based on Fuzzy Logic
Mohammad A. Taher | Leewb Ibrahim - University of Mosul, Iraq

12:00 noon 1:15 pm Luncheon Plenary - Big Data Analytics - Salon E&F

Speaker: Viswa Sharma
Senior Solutions Architect | Tata Consultancy Services, USA
Presentation Title: Hadoop Beyond Hype

1:30 pm 3:00 pm Concurrent Technical Sessions

Computational Intelligence and Machine Learning VI

Session Chair: TBA

412 - Detection of Groups in Non-Structured Data
Rosemary D. Paradis | Daniel Davenport | David Menaker | Sarah M. Taylor - Lockheed Martin, USA; Sarah M. Taylor Consulting, LLC, USA

396 - Predicting the Type of Nanostructure Using Data Mining Techniques and Multinomial Logistic Regression
Mahmoud Sheikholeslami | Nader Ebrahimi | Abel Ochigbo - Northern Illinois University, USA

81 - Moon Plants as Model System for Life Support to Enable Human Exploration
Robert N. Bowman | Arwen I. Davé - Lockheed Martin, USA; Christopher P. McKay - NASA Ames Research Center, USA

Company White Paper - Managing Big Data in the Aerospace and Defense Enterprise and Supporting the Vision for Business Insight
Berry Gibson - SAP, USA

3:30 pm 5:00 pm Panel Session - Big Data Analytics - Salon A&B

Moderator: Greg Kable
Panel Members: Chad Fujigami | Viswa Sharma | Karri W. Farrell
Title: Big Data: The Vectors of Volume, Velocity, Variety and Value

3:30 pm 3:30 pm Break

Tutorial

Salon C

Topics in Statistical Decision Theory: Does the Decision Mechanism Matter?
Walker H. Land Jr. - Binghamton University, USA

Assemble in Corridor