Tuesday, November 3, 2015

8:00 AM 5:00 PM  Mediterranean Foyer
8:00 AM 9:00 AM  Continental Breakfast  Mediterranean Foyer
9:00 a.m. 10:00 a.m. Opening Announcements and Plenary  Riviera/Granada

Iveta Mrázová, PhD
Associate Professor and Head of Department
Theoretical Computer Science and Mathematical Logic
Charles University, Czech Republic

Title: Deep Neural Networks and Their Role in the Quest for Human-Like Brain Power

10:00 AM 10:30 AM  Morning Break  Mediterranean Foyer

10:30 AM 12:00 PM  Concurrent Technical Sessions

Cyber Physical Systems: Cyber Security
Session Chair: Douglas A. Bodnar
(Georgia Institute of Technology, USA)
Room: Riviera/Granada

221 - Using Discrete Event Simulation to Model Attacker Interactions with Cyber and Physical Security Systems | Casey Perkins, George Muller (Pacific Northwest National Laboratory, USA)
222 - Cyber Security Challenges within the Connected Home Ecosystem Futures | Abdullah Anobu (University of West Englands, United Kingdom)

Social Network Data & Collective Analytics
Session Chair: Iveta Mrázová
(Charles University, Czech Republic)
Room: Monte Carlo

261 - A Systemic Approach to Risk Management and Operations Functions in Delivering an Organizational Program | Syed W. Hussaini (Tata Consultancy Services, India)
293 - Mitigating Cyber Threats with Enterprise Simulation | Douglas A. Bodnar (Georgia Institute of Technology, USA)

12:00 PM 1:30 PM  Luncheon & Afternoon Plenary  Castillian

Sajal K. Das, PhD
IEEE Fellow
Chair of the Computer Science Department
Daniel St. Clair Endowed Chair in Computer Science
Missouri University of Science and Technology, USA

Title: Beyond Cyber-Physical Era: What's Next?

1:30 PM 3:00 PM  Concurrent Technical Sessions

Cyber Physical Systems: Systems Modeling & Design I
Session Chair: Chris Otrolik
(Georgia Washington University, USA)
Room: Riviera/Granada

267 - Towards an Adaptive Model for Collaborative Simulation: From System Design to Lessons Learned: A Use Case from Aircraft Industry | Laura Rosa Castle (IPT SystemX, France); Jule Stal-Le Cardinal (Centrale-Supélec, France); Martine Cabot (Arbus Group Innovations, France)
287 - Using a Systemic Perspective to Support Engineering Change Management | Julian Wilber, Fatos Elia, Ulko Lindemann (Technische Universität München, Germany); Ira O. Tonnemalm (University of California, Berkeley, USA)

Intelligent & Adaptive Systems: Machine Learning
Session Chair: Claude Turner
(Norfolk State University, USA)
Room: Monte Carlo

395 - Determination of Rule Patterns in Complex Event Processing Using Machine Learning Techniques | Nafiz Mehdiyev, Julian Kranzle, Dirk Werth, Peter Loox (German Research Center for Artificial Intelligence, Germany); David Enke (Missouri University of Science and Technology, USA)
416 - A Wavelet Packet and Mel-Frequency Cepstral Coefficients-Based Feature Extraction Method for Speaker Identification | Claude Turner (Norfolk State University, USA); Anthony Joseph ( Pace University, USA)

3:00 PM 5:00 PM  Afternoon Break  Mediterranean Foyer

3:30 PM 5:00 PM  Concurrent Technical Sessions

Cyber Physical Systems: Systems Modeling & Design II
Session Chair: Ronald E. Giachetti
(Naval Postgraduate School, USA)
Room: Riviera/Granada

274 - Towards Modeling Data Infrastructures in the Asset Management Domain | Ronald E. Giachetti (Naval Postgraduate School, USA)
278 - Cyber-Physical Interactions with Enterprise Simulation | Douglas A. Bodnar (Georgia Institute of Technology, USA)

Intelligent & Adaptive Systems: Adaptive Control
Session Chair: Nuri Yilmazer
(Texas A&M University - Kingsville, USA)
Room: Monte Carlo

492 - An Improved Continuous-Action Extended Classifier Systems for Function Approximation | Omid Saremi, Masoud Sharif Panahi (University of Tehran, Iran); Amir Salzhofer (University of Nevada, Reno, USA)
436 - Application of Object Detection and Tracking Techniques for Unmanned Aerial Vehicles | Shreyamsh Kamate, Nuri Yilmazer (Texas A&M University - Kingsville, USA)

6:30 PM 7:00 PM  Cash Bar  Castillian

Best Paper Awards Banquet and Plenary  Mediterranean Foyer

Robert R. Hoffman, Ph.D
Senior Research Scientist
Institute for Human and Machine Cognition, USA

Title: Challenges for a Theory of Complex Cognitive Work Systems