8:00 - 8:50 AM **Registration**

8:50 - 9:00 AM **Opening Remark**

9:00 - 10:00 AM **Session 1: Keynote Address**

Title: The Socio-technical Opportunities and Challenges for Big Data Research

Speaker*:* Dr. Heng Xu, National Science Foundation (NSF)

10:00 - 10:30 AM **Coffee Break**

10:30 - 12:30 PM **Session 2 (Room: Castillian): Emerging issues in Collaborative Cloud Computing (Session chair: Balaji Palanisamy, University of Pittsburgh)**

"Developing a Collaborative Cloud-Based Platform for Watershed Analysis and Management"

Paulo Alencar, Donald Cowan, Fred McGarry and R. Mark Palmer

"Collaborative Mobile-To-Mobile Computation Offloading",

Abderrahmen Mtibaa, Roberto Beraldi, Hussein Alnuweiri and Antonio Carelli

'Design Considerations to Realize Automated SLA Negotiations in a Multi-Cloud Brokerage System"
Seokho Son, Dong-Jae Kang and Jin-Mee Kim

"Collaborative cloud service model for delivering multimedia content in mCloud",
Aleksandar Karadimche and Danco Davcev

12:30 - 1:30 PM	**Lunch Break (Miramar North)**

1:30 - 3:00 PM	**Session 3 (Room: Castillian): Collaborative Internet-of-Things in the Cloud (Session chair: Paulo Alencar, University of Waterloo)**

"Influencing Data Availability in IoT Enabled Cloud based e-Health in a 30 day Readmission Context"

Rajesh Vargheese and Yannis Viniotis

"Flexible IoT Middleware for Integration of Things and Applications" ,

Joseph Boman, Jonathan Taylor, Anne Ngu

"Applications of Multimodal Physical (IoT), Cyber and Social Data for reliable and actionable insights"

Amit Sheth, Pramod Anantharam, T.K. Prasad

3:00 - 5:30 PM	**Session 4: Tutorials**

Tutorial 1 (Room: Madrid)
Title: **Nature-Inspired Cyber Defenses**
Speaker: Mohamed Eltoweissy, Virginia Military Institute

Tutorial 2 (Room: Miramar South)
Title: **Big Data Management and Mining**
Speaker: Latifur R. Khan, University of Texas at Dallas