

Wednesday, September 24, 2014

7:30 AM to 8:30 AM		Breakfast – Dining Area	
8:30 AM to 9:10 AM		Welcome-Logistics/opening remarks – Brian Duncan, Dr. Larry Bergman Plenary Keynote Speaker – Dr. Michael Ryschkewitsch – 8:40 AM Dining Area	
9:10 AM to 9:30 AM		Morning Break	
9:30 AM to 11:30 AM	Mini-Workshop 4: Engineering of Autonomic & Autonomous Systems (Classroom 7/8)	9:30 Autonomic Analytics 10:00 AARCTIC: Autonomic Analytics Research for Corrections Technology, Institutional and in the Community 10:30 Autonomic Wheel Alignment for Mobile Robots 11:00 Towards the Autonomic Semantic Web	
11:30 AM to 11:45 AM		SMC-IT 2014 Group Photo	
11:45 AM to 12:30 PM		Lunch Break	
12:30 PM to 1:00 PM		Keynote Speaker – Colonel Myles Nakamura Dining Area	
1:15 PM to 3:45 PM	Mini-Workshop 4 (cont'd)	1:15 Key Considerations for a Resilient and Autonomous Deployment and Configuration Infrastructure for Cyber-Physical Systems 1:45 Autonomous Fault Detection in Self-Healing Systems using Restricted Boltzmann Machines 2:15 Memetics for Autonomic Agent Behavior 2:45 The Utility of Robot Sensory Devices in a Collaborative Autonomic Environment 3:15 Discussion	
3:45 PM to 4:00 PM		Afternoon Break	
4:00 PM to 5:00 PM		Keynote Presentation – Dr. James Gosling Dining Area	

CEPEC-NI

Computing and Engineering
Professional Education Centre
for Northern Ireland



Lero THE IRISH SOFTWARE
ENGINEERING
RESEARCH CENTRE

5th IEEE International Conference
on Space Mission Challenges for Information Technology

SMC-IT 2014

Laurel, Maryland September 24-26, 2014

IEEE
computer
society

Sponsored by the
IEEE TC on
Software
Engineering
(TCSE)

Hosted by

APL
JOHNS HOPKINS
APPLIED PHYSICS LABORATORY

9:30 **Autonomic Analytics**, Roy Sterritt, *University of Ulster*

10:00 **AARCTIC: Autonomic Analytics Research for Corrections Technology, Institutional and in the Community**, Catherine McFarland, Roy Sterritt David Bustard, Sally McClean Patricia O'Hagan, *Ulster, Core Systems*

10:30 **Autonomic Wheel Alignment for Mobile Robots**, Martin Doran, Roy Sterritt, George Wilkie, *Ulster*

11:00 **Towards the Autonomic Semantic Web**, Robbie Palmer, John Kuriakose, Roy Sterritt, *Queen's University Belfast, InfoSys Pune India, Ulster*.

1:15 **Key Considerations for a Resilient and Autonomous Deployment and Configuration Infrastructure for Cyber-Physical Systems**, Subhav Pradhan, William Otte, Abhishek Dubey, Aniruddha Gokhale and Gabor Karsai *Vanderbilt, USA*

1:45 **Autonomous Fault Detection in Self-Healing Systems using Restricted Boltzmann Machines**. Chris Schneider, Adam Barker, Simon Dobson, *University of St Andrews, Scotland*

2:15 **Memetics for Autonomic Agent Behavior**, Chris Rouff, Walt Truskowski, *APL, NASA GSFC*

2:45 **The Utility of Robot Sensory Devices in a Collaborative Autonomic Environment**, Catherine Saunders, Roy Sterritt, George Wilkie, *Ulster*

3:15 **Discussion**

CEPEC-NI

Computing and Engineering
Professional Education Centre
for Northern Ireland

