Programme

Day 1: Monday 13 December

8:00-8.45 - Registration
8.45-9.00 - Opening remarks by the conference chair Prof. Gerry Parr
9:00-10:00 - Keynote speech by Prof. Sumi Helal
10:00-10:30 - Break

Session 1: Sensor Application Programming Paradigms

10:30-11:00
Wireless Sensors Solution for Energy Monitoring, Analyzing, Controlling and Predicting
Marius Marcu, Cristina Stangaciu, Alexandru Topirceanu, Daniel Volcinschi, Valentin Stangaciu

11:00-11:30
Policy-driven tailoring of sensor networks
Nelson Matthys, Christophe Huygens, Danny Hughes, Jo Ueyama, Sam Michiels, Wouter Joosen

Session 2: Novel Sensor Applications

11:30-12:00
Integration of Terrain Image Sensing with UAV Safety Management Protocols
Timothy Patterson, Sally McClean, Gerard Parr, Philip Morrow, Luke Teacy, Jing Nie

12:00-12:30
A Study on the Wireless Onboard Monitoring System for Railroad Vehicle Axle Bearings Using the SAW Sensor
Jaehoon Kim, K.-S. Lee, J.-G. OH

12:30-14:00 – Lunch

Session 3: Sensor Network Middleware

14:00-14:30
Middleware for Adaptive Group Communication in Wireless Sensor Networks
Klaas Thoelen, Sam Michiels, Wouter Joosen

14:30-15:00
A Middleware Framework for the Web Integration of Sensor Networks
Herve Paulino, Joao Ruivo Santos

15:00-15:15 - Break

Session 4: Sensor Network Middleware

15:15-15:45
Expressing and Configuring Quality of Service in Multi-purpose Wireless Sensor Networks
Pedro Javier del Cid, Daniel Hughes, Sam Michiels, Wouter Joosen

15:45-16:15
A Lightweight Component-based Reconfigurable Middleware Architecture and State Ontology for Fault Tolerant Embedded Systems
Jagun Kwon, Stephen Hailes

16:15-16:45
Distributed Context Models in Support of Ubiquitous Mobile Awareness Services
Jamie Walters, Theo Kanter, Roger Norling

18:00-19:00 Cocktail Reception

Day 2: Tuesday 14 December

Session 1: Trust, Security and Privacy

9:00-9:30
SeDAP: Secure Data Aggregation Protocol in Privacy aware Wireless Sensor Networks
Alberto Coen Porisini, Sabrina Sicari

9:30-10:00
A Centralized Approach for Secure Location Verification in Wireless Sensor Networks
Abbas Ghebleh, Maghsoud Abbaspour, Saman Homayounnejad

10:00-10:30
How secure are secure localization protocols in WSNs
Chérifa Boucetta, Mohamed-Ali Kaafar, Marine Minier

10:30-11:00 – Break

Session 2: Wireless Sensor Network Management and Monitoring

11:00-11:30
DANTE: a video based annotation tool for smart environments
Federico Cruciani, Mark Donnelly, Chris D Nugent, Guido Parente, Cristiano Paggetti, William Burns

11:30-12:00
Pro-active Strategies for the Frugal Feeding Problem in Wireless Sensor Networks
Elio Velazquez, Nicola Santoro, Mark Lanthier

12:00-12:30
Integrating WSN simulation into workflow testing and execution
Duarte A Vieira, Francisco Martins

12:30-14:00 – Lunch

Session 3: Sensor Application Development Support Systems

14:00-14:30
Revisiting Human Activity Frameworks
Eunju Kim, Sumi Helal

14:30-15:00
Deriving Relationships between Physiological Change and Activities of Daily Living using Wearable Sensors
Shuai Zhang, Leo Galway, Sally I McClean, Bryan W Scotney, Dewar Finlay, Chris D Nugent

15:00-15:15 - Closing remarks