

IT&T 2013 - Conference Programme

May 9/10 2013, Athlone Institute of Technology, Athlone, Ireland

Engineering and Informatics Building, AIT Campus (Lat: 53.41902 Long: -7.90729)

<http://www.ittconference.ie>

Sessions – Day 1

Registration:	9:30 – 10:30
Welcome Address: <i>Paul Killeen, Head of Research, Enterprise and Innovation, AIT</i>	10:30 – 10:45
Keynote: Mr Matt Hamilton, Ericsson Ireland Session Co-Ordinator: Anthony Cunningham (SRI, AIT)	10:45 – 11.30
Tea/Coffee Break	11:30-11:45
Session 1: Networking 1 Session Chair: Prof. John Murphy (UCD)	11:45-1.00
Paper 1: Device-Oriented Energy-Aware Utility-Based Priority Scheduler for Video Streaming over LTE System <i>Longhao Zou, Ramona Trestian, Gabriel-Miro Muntean (DCU)</i>	
Paper 2: MANDL - A Mediation Algorithm for Network Load Balancing Utilising Directed Learning <i>Pankaj Goyal (AIT), Enda Fallon(AIT), Sidath Handurukande (Ericsson Research), Sheila Fallon (AIT), Yuansong Qiao (AIT)</i>	
Paper 3: Reputation-based Network Selection Solution in Heterogeneous Wireless Network Environments <i>Ting Bi, Ramona Trestian and Gabriel-Miro Muntean (DCU)</i>	

Lunch:	1:00-2:00
Poster Session:	1:30-2:15
<p>Session Chair: Dr. Nick Timmons (<i>LYIT</i>)</p> <p>All Posters will be on display</p>	
Session 2: Information Analysis and Management	2:15-3:30
<p>Session Chair: Dr. Gabriel-Miro Muntean (DCU)</p>	
Paper 1:	<p>Gathering Transportation Data by Acoustic Monitoring: A Case Study <i>Vi Tran-Ngoc-Nha</i> (UCD), <i>Patrick McDonagh</i> (DCU), <i>John Murphy</i>(UCD)</p>
Paper 2:	<p>Traffic-condition Analysis using Publicly-Available Data Sets <i>Ulrich Dangel</i> (UCD), <i>Patrick McDonagh</i> (DCU), <i>Liam Murphy</i>(UCD)</p>
Paper 3:	<p>Speech Analysis of the 2012 American Presidential Election <i>Eugene Galvin</i>, <i>Markus Hofmann</i> (ITB)</p>
Tea/Coffee Break	3:30-3:45
Session 3: Text and Data Mining	3:45-5:00
<p>Session Chair: Phelim Murnion (<i>GMIT</i>)</p>	
Paper 1:	<p>Communities and Crime: Creating a Data Mining Prediction Model (Identify Future Crimes given the Socioeconomic Background in an Area) <i>John Ryan</i>, <i>Markus Hofmann</i> (ITB)</p>
Paper 2:	<p>Making a Case for an Irish500 List <i>Brett A. Becker</i> (College of Computer Training), <i>John Regan</i> (Helsinki Institute of Information Technology), <i>Michael Salter-Townshend</i> (UCD), <i>Kevin Casey</i> (DCU)</p>
Paper 3:	<p>Predicting Premiership Football Match Results (Machine vs. Men – Can predictive models outperform human experts?) <i>Elaine Kirwan</i>, <i>Markus Hofmann</i> (ITB)</p>

IT&T Organising Committee Meeting

5:00-6:00

Conference Dinner (Sheraton Athlone Hotel)

8:00-10:00

Sessions – Day 2

Session 4: Web and Cloud Technologies

9:30-11:00

Session Chair: Dr. Markus Hofmann (ITB)

Paper 1: A Performance Analysis of WS-* (SOAP) & RESTful Web Services for implementing Service and Resource Orientated Architectures
Philip Markey, Gary Lynch (ITT)

Paper 2: Experimental Evaluation of Vector Bin Packing Algorithms on VM Consolidations in Cloud Data Centres
John Furlong, Lei Shi, RunxinWang (WTT)

Paper 3: Protecting Organizational Data Confidentiality in the Cloud using a High-Performance Anonymization Engine
Vanessa Ayala-Rivera (UCD), David Nowak (UCD), Patrick McDonagh (DCU)

Paper 4: Towards Determining Web Browsing Quality of Experience
Liam Fallon (Ericsson Network Management Lab), Declan O'Sullivan (TCD)

Tea/Coffee Break

11:00-11:15

Keynote: *Dr Austin Hanley, Head of School of Engineering, AIT* 11:15 – 11.45

Session Co-Ordinator: Dr. Yuansong Qiao (SRI, AIT)

“Exploring the factors that impact researchers working in HEI based engineering centres in Ireland”

Session 5: Networking 2

11:45-1:00

Session Chair: Dr. Sven van der Meer (Ericsson Network Management Labs)

Paper 1: Building a Scalable Event Processing System with Messaging and Policies – Test and Evaluation of RabbitMQ and Drools Expert
Sumit Dawar (AIT), Sven van der Meer (Ericsson Network Management Labs), Enda Fallon (AIT), John Keeney (Ericsson Network Management Labs), Tom Bennett(AIT)

Paper 2: Indoor RTLS Using Smart Devices and Available Sensors
John McGovern, Kevin McGrath, Leigh Griffin (WTT)

Paper 3: Deployment and Network Performance challenges for WSN based Environmental Monitoring Applications
Jacqueline Stewart, Robert Stewart, John Allen (AIT)

Conference Close:

1:00-1:30

Posters

Poster 1: A Factorial Model for Value Creation in Cloud Computing Through Open Innovation
Trevor Clobessy , Thomas Acton (NUIG)

Poster 2: A Hybrid Vehicular Re-routing Strategy with Dynamic Time Constraints for Road Traffic Congestion Avoidance
Shen Wang (DCU), Soufiene Djabel (UCD) , Jennifer Mc Manis (DCU)

Poster 3: Adaptive Artificial Intelligence Utilizing Multi Modal Emotion Recognition
Alan Murphy, Sam Redfern (NUIG)

Poster 4: Alarm Filtering through Similarity Measure
Arneesh Vyas (LM Ericsson), John Keeney (Ericsson Network Management Labs), Enda Fallon (AIT)

Poster 5: Development of a Reusable Learning Object for Use in Teaching Structural Engineering
Jason Corbett, Paul Archbold (AIT)

Poster 6: Evolving and Analyzing Strategies and Traits for the Hawk-Dove Game
Caroline Fennessy, Seamus Hill (NUIG)

- Poster 7:** Layering Reality: Realistic Driving Simulation
Michael Brogan (ITB), Noel Daly (NUIM), David Kaneswaran (NUIM), Seán Commins (NUIM), Charles Markham (NUIM), Catherine Deegan (ITB)
- Poster 8:** Low-Profile Mobile Mapping System
Michael Brogan, Seán Haughey, Simon McLoughlin, Catherine Deegan (ITB)
- Poster 9:** Setting Up Automated Testing in an iOS Development Environment: An Experience Report
Dominic Maguire and M'at'e R'acz (WIT)
- Poster 10:** Utilization of Text And Document Context in Large Content Repositories to Aid Environment Specific Search
Kyle Goslin, Markus Hofmann (ITB)
- Poster 11:** Evaluating a Driver's Road Accident Risk using National Map, Accident and Journey Data
David Kaneswaran, Michael Brogan, Charles Markham, Sean Commins, Catherine Deegan (ITB)