

IT&T 2012 - Conference Programme

March 29/30 2012, Cork Institute of Technology, Cork, Ireland

Nimbus Centre building on the CIT Bishopstown Campus

<http://www.ittconference.ie/> --- <http://maps.google.ie/maps/place?cid=10976554899632391751>

Sessions – Day 1

Poster Session Presentations	10.30 - 12.00
Lunch	12.00 – 13.00
Official Opening: <i>Mr Michael Loftus, Head of Faculty of Science and Engineering at CIT.</i>	13.00 – 13.15
Keynote: The Challenge of Intelligent Sensing <i>Prof. Gregory O'Hare - UCD</i>	13.15 – 13.50
Opening Paper: Research Challenges in Participatory Sensing for Urban Management Applications <i>Melanie Bouroche, Vinny Cahill, Siobhan Clarke, Ivana Dusparic, Anurag Garg, Fabian Bustamante – TCD, Northwestern University</i>	13.50 – 14.15
Session 1: ICT in Education, Chair: Dirk Pesch,	14.15 – 15.30
Paper 1: Implementing Internet-based ICT for Education: The ITM experience in the class room <i>Varun Kumar, Kiran Yadev – ITM University, Gurgaon, India</i>	
Paper 2: Extraction of VLE course hierarchy for the creation of tree based context specific metadata <i>Kyle Goslin, Markus Hofmann – ITB</i>	
Paper 3: “UVW-1: Understandable-Virtual-Wind” (a Naïve Physics Virtual Wind Tunnel developed for an undergraduate computing project) <i>Cormac Lynch, Matt Smith - ITB</i>	
Coffee/Tea Break	15.30 – 16.00
Session 2: Algorithms, Chair: Matt Smith,	16.00 – 17.30
Paper 1: Real time speech analysis for detection of stress using Autocorrelation function <i>Savita Sondhi, Munna Khan, Ritu Vijay, Ashok Salhan, Sharda Vashisth – ITM University</i>	
Paper 2: Detection of Road Signs in Colour Image Sequences Using A Priori Knowledge <i>Michael Brogan, Simon McLoughlin, Catherine Deegan – ITB</i>	
Paper 3: A Java Library for Fuzzy String Matching <i>Govinda Grings, John Healy - GMIT</i>	
Paper 4: A Scenario-Oriented Method for Recording and Replaying Complex Information <i>Yi Ding, Bing Wu, Jianfeng Wu, Erqiang Zhou - DIT</i>	
Conference Dinner	Market Lane, 19.30 – 22.00

Sessions – Day 2

Poster Session All Posters will be on display	9.00 – 10.00
Keynote – Paul French from IBM Cloud Strategy for Consumers and Providers	10.00 – 10.45
Session 3: Networking, Chair: John Murphy, Paper 1: Real Time Service Provisioning on the AIT Integrated Mesh Network for Precision Agri-tech Applications <i>Jacqueline Stewart, Robert Stewart, MN Hassan, Ali Yeon, David Ndzi - AIT</i> Paper 2: Objective-based assessment of games quality <i>Artan Berisha – University of Prishtina, Dorel Picovici - ITC, David Denieffe - ITC, Dukagjin Pupovci - University of Prishtina</i> Paper 3: Optimising Internet Access over Satellite Backhaul (Invited Paper) <i>Paul Davern, Noor Nashid Islam, Cormac J Sreenan - UCC</i>	10.45 – 12.15
Lunch	12.15 – 13.15
Session 4: Cloud Computing, Chair: Cormac Sreenan Paper 1: Applying a Market Mechanism to Optimizing the Utilization of Computing Resources <i>Xi Li - UCD, James Thorburn - IBM, Viliam Holub - UCD, Patrick O’Sullivan - IBM, Liam Murphy - UCD, John Murphy - UCD</i> Paper 2: Enabling Network as a Service for WSAAN Cloud <i>Muhammad Sohaib Aslam, Susan Rea, Dirk Pesch - CIT</i> Paper 3: An investigation of distributed schema free tabular data storage technologies on Google App Engine and Microsoft Azure <i>Conor McGrath, Gary Clynych - ITT</i>	13.15 – 14.45
Conference Ends	14.45

Posters

CMSE: A Network Element for Assistive Media Steaming

Jason Quinlan , Ahmed Zahran , Cormac Sreenan

Class-based Bandwidth Management in Heterogeneous Wireless Networks

Ilias Tsompanidis, Ahmed Zahran , Cormac Sreenan

Development of different timescales in zebra finch song: new insights from computational analysis

Latika Singh, Sumanlata Gautam , Gaurav Aggarwal

'Energy-Smart' Web Application to Support the Development of Sustainable Energy Communities

John Lohan, Gabriel J. Costello

Realising a Smarter, Greener Electricity Grid through Intelligent Microgrid Control & Improved Wind Forecasting

Philip O'Brien, Liam Murphy, John Murphy

ALARM - Autonomic Logic Algorithm for Reconfiguration and Mediation of Unlicensed Frequencies

Ciara Preston, Dovydas Malinauskas, Darragh Reams, Enda Fallon, John Barrett

Leverage of Extended Information to Enhance the Performance of JEE Systems

Andrés Omar Portillo Domínguez, John Murphy, Patrick O'Sullivan

Autonomous Distributed Grid Workflow Management

Somnath Mazumdar, Patrick O'Sullivan and John Murphy

Towards Realistic Data Population of a Testing Environment

Teodora Sandra Buda, Patrick O'Sullivan, Dawid Nowak, Liam Murphy, John Murphy

End-to-end Performance Testing of Audio in Enterprise Networks

Yi Han, David Malone, Patrick O'Sullivan and John Murphy

Optimal Node Placement in a Wireless Sensed Environment for BAN Communications

Christopher McDaid, Nick F. Timmons, Jim Morrison