<table>
<thead>
<tr>
<th>Start time</th>
<th>Monday 21\textsuperscript{st} July</th>
<th>Tuesday 22\textsuperscript{nd} July</th>
<th>Wednesday 23\textsuperscript{rd} July</th>
<th>Thursday 24\textsuperscript{th} July</th>
<th>Friday 25\textsuperscript{th} July</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Registration desk open all day (Hamilton basement)</td>
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<tr>
<td>10:30</td>
<td>Morning coffee break (Hamilton basement)</td>
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<tr>
<td>11:00</td>
<td>IWCTS Salmond</td>
<td>SMPE Synge</td>
<td>Session 1 Middleware for Pervasive Applications Joly</td>
<td>Session 1 Industry Research and Practice Maxwell</td>
<td>Session 3 Pervasive Spaces Joly</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch (Buttery Vaults in the Trinity Dining Hall complex)</td>
<td>Lunch (Buttery Vaults in the Trinity Dining Hall complex)</td>
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<td>Lunch (Buttery Vaults in the Trinity Dining Hall complex)</td>
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<tr>
<td>14:00</td>
<td>IWCTS Salmond</td>
<td>SMPE Synge</td>
<td>Session 2 Wireless Networks Joly</td>
<td>Session 2 Human Factor Designs Maxwell</td>
<td>Session 4 Mobile Device Challenges Maxwell</td>
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<tr>
<td>15:30</td>
<td>Afternoon coffee break (Hamilton basement)</td>
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<tr>
<td>16:00</td>
<td>One-minute Madness! Joly</td>
<td>Panel Joly</td>
<td>Session 5 Vehicular Network Routing Maxwell</td>
<td>Panel Joly</td>
<td>Session 7 Driver Information Systems Maxwell</td>
</tr>
<tr>
<td>16:30</td>
<td>IWCTS Salmond</td>
<td>SMPE Synge</td>
<td>Demonstration and poster session Hamilton concourse and O’Reilly Institute</td>
<td>Panel Joly</td>
<td>Session 5 Vehicular Network Routing Maxwell</td>
</tr>
<tr>
<td>18:30</td>
<td>Bus to banquet departs</td>
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<tr>
<td>19:30</td>
<td>Conference Banquet The ‘Hooley’ at Johnnie Fox’s</td>
<td>Conference Banquet The ‘Hooley’ at Johnnie Fox’s</td>
<td>Conference Banquet The ‘Hooley’ at Johnnie Fox’s</td>
<td>Conference Banquet The ‘Hooley’ at Johnnie Fox’s</td>
<td>Conference Banquet The ‘Hooley’ at Johnnie Fox’s</td>
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<tr>
<td>24:00</td>
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</table>
Fifth Annual International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous)  
First Annual International Symposium on Vehicular Computing Systems (ISVCS)  
21st – 25th July 2008, Trinity College Dublin, Ireland  
Joint Technical Programme

Registration desk open from 8:30 every day  
Hamilton basement

Monday 21st July

Full-day workshops, concurrent, please check individual workshop schedules:

1st International Workshop on Computational Transportation Science, Room Salmon
2nd International Symposium on Security and Multimodality in Pervasive Environments, Room Synge

Tuesday 22nd July

9:00 – 9:15  
MobiQuitous / ISVCS Opening Ceremony  
Room Joly

9:15 – 10:30  
Keynote Speech  
Ubiquitous Intelligence: The Case for Multi-Agent Systems in the Mobile & Ubiquitous Arena  
Gregory O’Hare, CLARITY: The Centre for Sensor Web Technologies, University College Dublin (UCD)  
Chair: Liviu Iftode  
Room Joly

10:30 – 11:00  
Coffee break  
Hamilton basement

11:00 – 12:30  
MobiQuitous  
Session 1 - Middleware for Pervasive Applications  
Chair: Siobhán Clarke  
Room Joly  
TMACS: Type-based Distributed Middleware for Ad-hoc Applications in MANETs  
Jinsong Lin, Eusden Shing, Wing-Kai Chan, Rajive Bagrodia  
Context-Aware Fault Tolerance in Migratory Services  
Oriana Riva, Josiane Nzouonta and Cristian Borcea  
A Document Centric Approach for Supporting Incremental Deployment of Pervasive Applications  
Fahim Kawsar, Kaori Fujinami and Tatsuo Nakajima

ISVCS  
Session 1 - Industry Research and Practice  
Chair: Nikola Serbedzija  
Room Maxwell  
V2V and V2I Communications Security in VII  
William Whyte  
Design And Realization of an IP-Based In-Car Network Architecture  
Rainer Steffen  
Efficient Dissemination to Ensure Active Safety in Vehicular Networks  
Nestor Mariyasagayam and Massimiliano Lenardi
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>12:30 – 14:00</td>
<td><strong>Lunch break</strong>&lt;br&gt;Buttery Vaults in the Trinity Dining Hall complex</td>
</tr>
<tr>
<td>14:00 – 15:30</td>
<td><strong>Session 2 - Wireless Networks</strong>&lt;br&gt;<strong>Chair: Cristian Borcea</strong>&lt;br&gt;Room Joly&lt;br&gt;PAN-on-Demand: Leveraging Multiple Radios to Build Self-organizing, Energy-efficient PANs&lt;br&gt;<em>Manish Anand and Jason Flinn</em>&lt;br&gt;Modeling of the Channel-Hopping Anti-Jamming Defense in Multi-Radio Wireless Networks&lt;br&gt;<em>Sherif Khattab, Daniel Mossé and Rami Melhem</em>&lt;br&gt;Using Physical Layer Emulation to Optimize and Evaluate Mobile and Wireless Systems&lt;br&gt;<em>Glenn Judd, Xiaohui Wang, Peter Steenkiste and Mei-Hsuan Lu</em>&lt;br&gt;<strong>Session 2 - Human Factor Designs</strong>&lt;br&gt;<strong>Chair: Raja Sengupta</strong>&lt;br&gt;Room Maxwell&lt;br&gt;Constraint-based Context-Rule Representation and Risk Classification for Driver Assistance Systems&lt;br&gt;<em>Simone Fuchs, Stefan Rass and Kyandoghere Kyamakya</em>&lt;br&gt;Vehicle as a Seamless Co-driver&lt;br&gt;<em>Nikola Serbedzija</em>&lt;br&gt;Supporting Implicit Human-to-Vehicle Interaction: Driver Identification from Sitting Postures&lt;br&gt;<em>Andreas Riener and Alois Ferscha</em>&lt;br&gt;Estimation of Read-End Potential Conflict Using Time-To-Collision Model&lt;br&gt;<em>Bahar Namaki Araghi</em></td>
</tr>
<tr>
<td>15:30 – 16:00</td>
<td><strong>Coffee break</strong>&lt;br&gt;Hamilton basement</td>
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<tr>
<td>16:00 – 16:30</td>
<td><strong>One-minute Madness!</strong>&lt;br&gt;<strong>Chair: Tatsuo Nakajima</strong>&lt;br&gt;Room Joly</td>
</tr>
<tr>
<td>16:30 – 18:30</td>
<td><strong>Demos and Posters</strong>&lt;br&gt;Hamilton concourse and O’Reilly Institute</td>
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<tr>
<td>18:30</td>
<td><strong>Buses to banquet depart</strong></td>
</tr>
<tr>
<td>19:30</td>
<td><strong>Conference Banquet</strong></td>
</tr>
<tr>
<td>24:00</td>
<td><strong>Buses to city depart</strong></td>
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</tbody>
</table>
**Keynote Speech**

**The MIT DARPA Urban Challenge Team**  
John Leonard, MIT Department of Mechanical Engineering and MIT CSAIL  
Chair: René Meier  
Room Joly

This talk will describe Team MIT’s performance in the 2007 DARPA Urban Challenge (DUC), which was held from October 26 though November 3rd in Victorville, CA. MIT was one of thirty five teams that participated in the DUC national qualifying event (NQE), and was one of eleven teams to qualify for the Urban Challenge final event based on our performance in NQE. Our team was one of six teams to complete the race, finishing in fourth place. We will review the design of our autonomous vehicle, Talos, a Land Rover LR3 equipped with a diverse range of lidar, vision, radar, and navigation sensors connected to a powerful blade cluster computer system. Our vehicle employed novel algorithmic approaches to perception, planning and control for the challenging task of autonomous driving in uncertain, dynamic environments. The performance of our system in the NQE and race events will be reviewed, and ideas for future research will be discussed. For more information, see [http://grandchallenge.mit.edu](http://grandchallenge.mit.edu)

**Coffee break**  
Hamilton basement

**ISVCS**  
**Session 3 - On-board Embedded Systems**  
Chair: Andreas Rienner  
Room Maxwell

- Topology Optimization of Ethernet-based In-vehicle Multimedia Systems  
  - Jörg Sommer and Elias Doumith
- Verifying Adaptive Cruise Control by Using Pi-Calculus and Mobility Workbench  
  - Gabriel Ciobanu and Stefan Rusu

**MobiQuitous**  
**Session 3 - Pervasive Spaces**  
Chair: Tatsuo Nakajima  
Room Joly

- ScreenSpot: Multidimensional Resource Discovery for Distributed Applications in Smart Spaces  
  - Marko Jurmu, Sebastian Boring and Jukka Riekki
- Evaluation of Context Distribution methods via Bluetooth and WLAN: Insights Gained while Examining Battery Power Consumption  
  - Alisa Devlic, Alan Graf, and Paolo Barone

- User-Driven Mashups in Interactive Public Spaces  
  - Danny Soroker, Young Sang Paik, Yeo Song Moon, Scott McFaddin, Chandra Narayanaswami, HyunKi Jang, Daniel Coffman, MyungChul Lee, JongKwon Lee and Jinwoo Park

**Lunch break**  
Buttery Vaults in the Trinity Dining Hall complex
14:00 – 15:30  **Session 4 - User Interaction with Pervasive Systems**  
Chair: Ouri Wolfson  
Room Joly  
A Quantitative Approach to Non-intrusive Computing  
*Hao Chen and James P. Black*  
Designing Context-Aware In-Car Information Systems  
*Julian Masuhr, Florian Klompmaker, Christian Reimann, Karsten Nebe*  
Towards Mobility Oriented Interaction Design: Experiments in Pedestrian Navigation on Mobile Devices  
*Tetsuo Yamabe, Kiyotaka Takahashi and Tatsuo Nakajima*  

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15:30 – 16:00  **Coffee break**  
Hamilton basement

16:00 – 18:00  **Panel**  
Room Joly  
Application Driven Routing for Vehicular Ad Hoc Networks – A Necessity  
*Olivia Brickley, Martin Koubek, Susan Rea and Dirk Pesch*  
Experimental Evaluation of Peer to Peer Applications in Vehicular Ad-hoc Networks  
*Eugenio Giordano*  
A Broadcast Vehicle to Vehicle Communication System in Railway Systems  
*Cristina Rico Garcia*  
GeoDTN+NAV: A Hybrid Geographic and DTN Routing with Navigation Assistance in Urban Vehicular Networks  
### Thursday 24th July

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 9:00 – 10:30  | **Keynote Speech**  
**Vehicular networks – quo veheris?**  
Hannes Hartenstein, University of Karlsruhe  
Chair: Vinny Cahill  
Room Joly  
This talk provides thoughts on the past, present and future of vehicle-to-X communications. We survey research results achieved in the last ten years and try to assess how well the currently available approaches and solutions meet the challenges of providing improvements with respect to traffic safety, traffic efficiency and environmental friendliness. Key aspects addressed in this talk are the issues of how to avoid congestion of the radio channel and of how to show the impact of wireless vehicular communications on safety and efficiency. We also look at current traffic telematics systems and analyze how the upcoming vehicle-to-X communication will fit into the big picture of cooperative systems. Finally, we state some “grand challenges” of vehicular communications and present next steps, in particular with respect to field operational tests. |
| 10:30 – 11:00 | **Coffee break**  
Hamilton basement |
| 11:00 – 12:30 | **MobiQuitous**  
**Session 5 - The Social Factor**  
Chair: Cormac Driver  
Room Joly  
Avoiding “Big Brother” Anxiety with Progressive Self-Management of Ubiquitous Computing Services  
Kevin Feeney, Dave Lewis, Kris McGlinn, Declan O’Sullivan, Anne Holohan  
Exploiting Schelling Behavior for Improving Data Accessibility in Mobile Peer-to-Peer Networks  
Long Vu, Klara Nahrstedt and Matthias Hollick  
Predicting Network Availability Using User Context  
Upendra Rathnayake and Max Ott |
| 11:00 – 12:30 | **ISVCS**  
**Session 6 - Traffic and Service Mgmt**  
Chair: Francesco Piazza  
Room Maxwell  
Service Management for Co-operative Vehicular Systems  
Gary O’Connor, Olivia Brickley and Dirk Pesch  
A Wireless Management System for Improving Traffic Efficiency in Transportation Infrastructures  
George Dimitrakopoulos  
Traffic Generator for Evaluating the Accuracy of Traffic Recording Devices with Loop Detectors  
Long-Bing Hsieh |
| 12:30 – 14:00 | **Lunch break**  
Buttery Vaults in the Trinity Dining Hall complex |
14:00 – 15:30
Session 6 - Mobile Device Challenges
Chair: Gregor Schiele
Room Joly
Accessing Speech Documents on Smartphones
Marcel Rosu

Session 7 - Driver Information Systems
Chair: Cormac Driver
Room Maxwell
Demonstrating hArtes project approach through an Advanced Car Information System
Francesco Piazza, Stefania Cecchi, Lorenzo Palestini, Paolo Peretti, Ferruccio Bettarelli, Ariano Lattanzi, Emanuele Moretti and Emanuele Ciavattini

Online Trajectory Data Reduction using Connection-preserving Dead Reckoning
Ralph Lange, Frank Dürr and Kurt Rothermel

Real-Time Video Compression for Driver Assistance Camera Systems
Mehrnoush Rahman

How to Edit Gigabyte XML Files on a Mobile Phone with XAS, RefTrees, and RAXS
Tancred Lindholm and Jaakko Kangasharju

Vehicle Detection at Night Based on Tail-Light Detection
Ronan O’Malley

15:30 – 16:00
Coffee break
Hamilton basement

Friday 25th July

Full-day workshops, concurrent, please check individual workshop schedules:

1st International Workshop on Human Control of Ubiquitous Systems, Room Salmon

International Workshop on Middleware for Mobile Embedded Peer-to-Peer Systems, Room Synge
17:00 – 19:00

Demonstration

End User Tool for Deploying Smart Object Systems
Fahim Kawsar and Tatsuo Nakajima

Demonstration of a Mobility-enhanced Pedestrian Navigation on Mobile Devices
Tetsuo Yamabe, Kiyotaka Takahashi and Tatsuo Nakajima

ScreenSpot Resource Discovery for Smart Spaces and MobileVue Media Sharing Application
Marko Jurmu, Sebastian Boring and Jukka Riekki

Seamless Indoor/Outdoor Positioning with Streamspin
René Hansen, Christian S. Jensen, Bent Thomsen and Rico Wind

Exploring NFC Interactive Panel
Gustavo Ramirez Gonzalez, Mario Munoz Organero, Carlos Delgado Kloos and Angela Chantre Astaiza

RECOUP: Efficient Reconfiguration for Wireless Sensor Networks
Sarah Pennington, Adrian Waller and Timothy Baugè

Encryption-Based Access Control for Building Management
Laurent Gomez, Annett Laube, Vincent Ribiere, Alessandro Sorniotti, Christophe Trefois, Marco Valente and Patrick Wetterward

Community Multimedia Cards - CoMu Cards
Heiko Pfeffer, Steffen Krüssel and Stephan Steglich

Posters

Towards an Embedded Agent Model for Android Mobiles
Jorge Aguero, Miguel Rebollo, Carlos Carrascosa, Vicente Julián

Using Near Field Communication Technology to Achieve Near-Zero Configuration of Sensors
Nicolaj B. Christensen and Stefan Wagner

Sharing Mobile User Experiences with Context-Based Mashups
Luca Costabello, Oscar Rodriguez Rocha, and Laurent-Walter Goix

On the Effects of Detailed Mobility Models in Vehicular Network Simulations
Kun-chan Lan and Chien-Ming Chou

Application of Ubiquitous Technology to Ship Environments
Beom Jin Park, Bugun Paik, Seongrak Cho, Dongkin Lee, Heejin Kang, and Jin Choi

Determining User Presence using Context in a Decentralized Unified Messaging System (IPAD-UMS)
Saguna, Prem Prakash Jayaraman, and Arkady Zaslavsky

Encryption-Based Access Control for Building Management
Laurent Gomez, Annett Laube, Vincent Ribiere, Alessandro Sorniotti, Christophe Trefois, Marco Valente and Patrick Wetterward

Community Multimedia Cards - CoMu Cards
Heiko Pfeffer, Steffen Krüssel and Stephan Steglich

Mobile, Ubiquitous Information Seeking as a Group: The iBingo Collaborative Video Retrieval System
Alan F. Smeaton, Colum Foley, Daragh Byrne and Gereth J.F. Jones

SimCom: A Tool for Modelling Context Sources for Rapid Evaluation of Pervasive Applications using Virtual Reality
Kris McGlinn, Eleanor O'Neill and David Lewis
<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
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<tbody>
<tr>
<td>9:00 am</td>
<td>Introductory remarks</td>
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<tr>
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<td><em>Ouri Wolfson and Peter Nelson</em></td>
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<tr>
<td>9:20 am</td>
<td>Session 1 (4 papers): Invited papers</td>
</tr>
</tbody>
</table>
|        | Some Research Questions for Computational Transportation Science  
*Glenn Geers*                                                      |
|        | On the Feasibility of Large-Scale Automated Highways  
*Stacy Patterson, Bassam Bamieh, Amr El Abbadi and Mihailo Jovanovic* |
|        | Data Management Challenges for Computational Transportation  
*Walid Aref and Mourad Ouzzani*                                             |
|        | TransDB - GPS Data Management with Applications in Collective Transport  
*Christian Jensen and Dalia Tiesyte*                                         |
| 10:40 am| Coffee break (Hamilton concourse)                                                                                                  |
| 11:10 am| Session 2 (4 papers): Data mining and prediction                                                                                  |
|        | Location Prediction Within the Mobility Data Analysis Environment Daedalus  
*Fabio Pinelli, Anna Monreale, Roberto Trasarti and Fosca Giannotti*         |
|        | On Extracting Commuter Information from GPS Motion Data  
*Dietmar Bauer, Markus Ray, Norbert Braendle and Helmut Schrom-Feiertag*      |
|        | Mining Sequential Association Rules For Traveler Context Prediction  
*Chad Williams, Abolfazl Mohammadian, Peter C. Nelson and Sean Doherty*       |
|        | A Multi-Agent Traffic Controller With Distributed Fuzzy Intelligence  
*Ahmet Sahan and Tatyana Yakhno*                                              |
| 12:30 pm| Lunch (Dining hall)                                                                                                                 |
| 2:00 pm| Session 3 (4 papers): Architectures and privacy                                                                                     |
|        | Intelligent Traveler Assistant (ITA) Simulation Platform Design  
*James Haran, Abolfazl Mohammadian and Peter Nelson*                           |
|        | Scalable and Efficient Car Communication Topology  
*Edmund Coersmeier and Robert Budde*                                           |
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<th>Time</th>
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<tr>
<td>3:20 pm</td>
<td>Coffee break (Hamilton concourse)</td>
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<tr>
<td>3:50 pm</td>
<td>Session 4 (2 papers): Data Aggregation</td>
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<td>Data aggregation in VANETs: the VESPA approach</td>
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<td>Bruno Defude, Thierry Delot, Sergio Ilarri, José Luis Zechinelli Martini and Nicolas Cenerario</td>
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<tr>
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<td>SP-TAG*: Routing Algorithm in Non-stationary Transportation Networks</td>
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<td></td>
<td>Betsy George and Shashi Shekhar</td>
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<tr>
<td>4:30 pm</td>
<td>Group discussion</td>
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<td>What have we learned? Suggestions for future IWCTS workshops?</td>
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<tr>
<td>5:30 pm</td>
<td>Workshop concludes</td>
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## Workshop Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Event</th>
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| 10:15 – 10:30 | Welcome and Opening  
*Giuseppe De Pietro (General Co-Chair)* |
| 10:30 – 11:00 | Coffee break (Hamilton concourse) |
| 11:00 – 12:30 | Session 1.  
Chair: Antonio Coronato  
A Natural Pointing Technique for Semi-Immersive Virtual Environments  
*Luigi Gallo and Aniello Minutolo*  
A Study on Authentication/Authorization/Accounting and Roaming Mechanism in Pervasive Environment  
*Jong-Sik Moon, Im-Yeong Lee, Deok-Gyu Lee and Jong-Hyuk Park*  
Congestion Control Protocol for Wireless Sensor Networks Handling Prioritized Heterogeneous Traffic  
*Muhammad Mostafa Monowar, Md. Obaidur Rahman, Al-Sakib Khan Pathan and Choong Seon Hong* |
| 12:30 – 14:00 | Lunch (Dining Hall) |
| 14:00 – 15:30 | Session 2.  
Chair: Giuseppe De Pietro  
The Home Device Authentication System Construction for Pervasive Home Network  
*Yun-kyung Lee, Deok Gyu Lee and Jong-wook Han*  
Tangible Security for Mobile Devices  
*Yuqun Chen and Michael Sinclair*  
An RFID-based application for handling the workflow of radioactive patients in a nuclear medicine department  
*Massimo Esposito and Gennaro Della Vecchia* |
<p>| 15:30 – 16:00 | Coffee Break (Hamilton concourse) |
| 16:00 – 17:00 | Concluding remarks |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:15 am</td>
<td>Welcome and Introduction</td>
</tr>
<tr>
<td>9:30 am</td>
<td><strong>Session 1. Visualization and User Interfaces</strong></td>
</tr>
</tbody>
</table>
|        | A Study on User Acceptance of Error Visualization Techniques  
|        | *Hendrik Lemelson, Thomas King, Wolfgang Effelsberg*  
|        | Handwritten Character Recognition Using Orientation Quantization Based on 3D Accelerometer  
|        | *Shiqi Zhang*  |
| 10:30 am| **Coffee break (Hamilton concourse)** |
| 11:00 am| **Session 2. Basic Models and Services** |
|        | Privacy-Friendly User Modelling for Smart Environments  
|        | *Ibrahim Armac and Daniel Rose*  
|        | A Multi-dimensional Model Enabling Autonomic Reasoning for Context-aware Pervasive Applications  
|        | *Nearchos Paspallis, Konstantinos Kakousis, George A. Papadopoulos*  
|        | Fundamental Services for Context-Sensitive Mobile Applications  
<p>|        | <em>Stephan Kopf, Thomas King, Philip Bostan, Hendrik Lemelson, Sina Deibert and Wolfgang Effelsberg</em>  |
| 12:30 pm| <strong>Lunch (Dining hall)</strong> |
| 2:00 pm| <strong>Session 3: Group Discussion &amp; Closing</strong> |
|        | <em>Proposed topic: user control in ubiquitous systems - need or not?</em>  |
| 3:30 pm| <strong>Coffee break (Hamilton concourse)</strong> |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>9:15 – 9:30 am</td>
<td>Welcome and opening</td>
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</tr>
<tr>
<td>9:30 – 10:30</td>
<td>Invited talk&lt;br&gt;PLASTIC: Providing Lightweight &amp; Adaptable Service for pervasive Information &amp; Communication&lt;br&gt;Valerie Issarny</td>
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<tr>
<td>10:30 – 11:00</td>
<td>Coffee break (Hamilton concourse)</td>
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<tr>
<td>11:00 – 12:30</td>
<td>Session 1&lt;br&gt;A Formalization of the SMEPP Model in Maude&lt;br&gt;Francisco Duran, Francisco Gutierrez, Pablo Lopez, Ernesto Pimentel&lt;br&gt;A Secure Middleware for Wireless Sensor Networks&lt;br&gt;Claudio Vairo, Michele Albano, Stefano Chessa&lt;br&gt;Tailoring Service Discovery to Embedded P2P Systems&lt;br&gt;Antonio Brogi, Sara Corfini, Thaizel Fuentes</td>
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</tr>
<tr>
<td>12:30 – 14:00</td>
<td>Lunch (Dining hall)</td>
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<tr>
<td>14:00 – 15:30</td>
<td>Session 2&lt;br&gt;Implementation and Performance Analysis for Key Divergent and Evolution Protocols in Wireless Sensor Network&lt;br&gt;Han Chiang Tan, Jun Wen Wong, Jianying Zhou&lt;br&gt;General Security Concept for Embedded P2P System&lt;br&gt;Stefan Kraxberger, Udo Payer, Stefan Tillich&lt;br&gt;An Adaptive Middleware Applied to the Ad-hoc Nature of Cardiac Health Care&lt;br&gt;Gemma Power, Christopher Foley, Sasitharan Balasubramaniam, Dimtri Botvich</td>
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<tr>
<td>15:30 – 16:00</td>
<td>Coffee break (Hamilton concourse)</td>
<td></td>
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<tr>
<td>16:00 – 17:00</td>
<td>Panel - Perspectives of mobile embedded peer-to-peer systems: trends and challenges</td>
<td>Panelists: Esteban Cabrera (TECNATOM, Spain), Valerie Issarny (INRIA, France), Jianying Zhou (I2R, Singapore)</td>
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