Università della Svizzera italiana | Facoltà di scienze informatiche | Advanced Learning and Research Institute ALaRI

Presentations of Master Projects in Embedded Systems Design

Date: Monday, 9 September, 2013
Time: 13.30 - 17.00
Where: Università della Svizzera italiana, Via G. Buffi, 13 – Lugano (CH)

Presentation room: Auditorium – main university building, third level

Admittance is free

Workshop Program

13.30 Welcome and Opening

13.35 Presentation: Power of Prediction
Prof. Miroslaw Malek, ALaRI Director, Università della Svizzera italiana

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Master of Science: research project's presentation

14.45 ***Guiding theme: Hardware and Software for Advanced Applications***
Application-level Scheduling of Real-Time Tasks – *Andres Gomez*

14.53 ***Guiding theme: Security***
Optimize SELinux for Embedded Multiprocessors – *Amarjargal Gundjalam*

15.00 ***Guiding theme: Pervasive Computing***
Adaptive Algorithm for Graph Paths Discovery – *Oktay Baris*

Power Manager for WSN Applications with Harvested Energy – *Ahmed Abdullah*

Note Onset Detection using Sparse Over-Complete Representation of Musical Signals – *Mina Mounir Shehata*

15.20 Poster's Session - Coffee Break

Master of Advanced Studies: research project's presentation

15.40 ***Guiding theme: Hardware and Software for Advanced Applications***
BLupZi- ZigBee, Bluetooth Low Energy and Smartphone Integration – *Armando Rivero Salazar*

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Master of Advanced Studies: research project's presentation

15.48 Guiding theme: Security
Welter Weight and High Speed Implementation of Authentication Encryption Algorithms – *Mojdeh Mohajerani*

15.55 Guiding theme: Security and Communications
Wireless Communications with FPGA – *Fabio Andres Guzman Figueroa*

16.03 Guiding theme: System Level Design
Behavioural System Model for Wireless Sensor Network using SysML and Statecharts – *Mohamed Abo El Enein*

16.10 Guiding theme: Pervasive Computing
Wireless Sensors Network Positioning for in-tunnel Vehicle Localization – *Mohamed Abdel - Moneim*

Error Characterization and Compensation for In-tunnel Localization Systems – *Pablo Andres Di Giulio*

WSN Nodes Placement for k-fault Tolerance with Arbitrary Terrain Configuration – *Bozo Krstajic*

Model of Electrical Storage Management System- *Bojan Miladinovic*

Power Management Modelling for System with Energy Harvesting - *Mahmoud Ali Rushdi*

Low Power Browsing for current and future mobile devices – *Andrea Casini*

16.50 Closing Session

Aperitif follows

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