

Presentations of Master Projects in Embedded Systems Design

Date: Friday, 18 July, 2014

Time: 09.30 - 12.00

Where: Università della Svizzera italiana, Via G. Buffi, 13 – Lugano (CH)

Presentation room: Auditorium – Main University Building, third floor

Free Admission

Workshop Program

9.30 Welcome and Opening

Presentation: ALaRI Research Visions and Directions

Prof. Miroslaw Malek, ALaRI Director, Università della Svizzera italiana

Master of Science: Research Projects' Presentations

9.50 *Guiding theme: Security*

Power Analysis Attack Library– *Suchismita Banerjee*

Software Identification For Processor Authentication – *Sebastien Bellon*

Lightweight Cryptography for Implantable Devices– *Theodoros Myrilos*

SEAndroid Acceleration– *Raphael Schapfel*

10.20 *Guiding theme: System Level Design*

UML Profile for System Modeling with SystemC – *Abdelaziz Marzouk*

10.27 *Guiding theme: Pervasive Computing*

Grid Monitoring with Intelligent Electronic Devices – *Abhishek Bhattacharya*

Hardware Acceleration for K-Nearest Neighbors Classifier on Low Cost FPGA – *Giovanni Bonomini*

Event-based Failure Prediction Accelerator– *Simon Maurer*

Functional Reactive Programming for Arduino – *Mohamed Fouad Marzouk*

10.56 **Posters' Session - Coffee Break**

Master of Advanced Studies: Research Projects' Presentations

11.20 Guiding theme: *Hardware and Software for Advanced Applications*
Life Cycle Assessment of Electrical Grid– *Naveen Kumar Anantha Sundar*

11.27 Guiding theme: *System Level Design*
AgriML - a UML Profile for Modelling and Design of ICT infrastructures in Agriculture –
Aleksandar Acimovic

Enforcing Code Consistency for Simulation Generation from StateCharts– *Alkiviadis Paspaliaris*

11.41 Guiding theme: *Pervasive Computing*
Responsiveness of Service Location Protocol in Wireless Mesh Networks– *Jose Pablo Coto Brenes*

Low Power Browsing for Current and Future Mobile Devices – *Andrea Casini*

12.00 Closing Session

Aperitif follows