



Università degli Studi di Cagliari
 PhD School in Information Engineering
 PhD Program in Electronic and Computer Engineering (DRIEI)

2020 DRIEI PH.D. DAY

Friday 26th June 2020

Welcome session at 09:00

Chair: Prof. Alessandro Giua, DRIEI Director

Microsoft Teams channel: 2020 DRIEI PH.D. DAY -> Generale

Please join the welcome session to sort out technical issues before the start of the first session.

Track A: First year Ph.D. students, XXXV ciclo (2019-2020)

Microsoft Teams channel: 2020 DRIEI PH.D. DAY -> Track A (First year Ph.D. students)

Session A1	Co-Chairs: Gian Luca Marcialis, Mario Porru
09:15-9:30	Hao Lan. <i>Infinite-step opacity in labeled Petri nets.</i> ING-INF/04 (Automatica). Cotutorship with Southwest Jiaotong University, Chengdu, China.
09:30-09:45	Yihui Hu. <i>Design of a supervisor for active diagnosis in discrete event systems.</i> ING-INF/04(Automatica). Cotutorship with Xidian University, Xi'an, China
09:45-10:00	Marco Micheletto. <i>Algorithms and methods for biometric recognition.</i> ING-INF/05 (Sistemi di Elaborazione delle Informazioni).
10:00-10:15	Angelo Sotgiu. <i>Towards Robust Learning against Adversarial Examples.</i> ING-INF/05 (Sistemi di Elaborazione delle Informazioni).
10:15-10:30	Lorena Mariani. <i>Monitoring and Risk Analysis in the Carasau Bread Manufacturing.</i> ING-INF/02 (Campi Elettromagnetici).
10:30-10.45	Roberto Casula. <i>Attack on Biometric Fingerprint System.</i> ING-INF/05 (Sistemi di Elaborazione delle Informazioni)
10:45-11:00	Coffe Break
Session A2	Co-Chairs: Paolo Meloni, Giuseppe Mazzarella
11:00-11:15	Paola Busia. <i>Algorithm Selection and Optimization for Efficient CNN Inference On Embedded Devices.</i> ING-INF/01 (Elettronica).
11:15-11:30	Gianluca Leone. <i>Short Introduction to Zyon: Zynq-based Online Processing Unit.</i> ING-INF/01 (Elettronica).
11:30-11:45	Francesca Marcello. <i>Energy Efficient Scheduling and management based on Sensor Activity Recognition and Prediction in Smart Buildings.</i> ING-INF/03 (Telecomunicazioni).
11:45-12:00	Claudio Marche. <i>Trustworthyness management in the internet of things.</i> ING-INF/03 (Telecomunicazioni).
12:00-12:15	Roberto Puddu. <i>Quality of Experience network and service management on new generation broadband satellite communications.</i> ING-INF/03 (Telecomunicazioni).



Track B: Second year Ph.D. students, XXXV ciclo (2018-2019)

Microsoft Teams channel: 2020 DRIEI PH.D. DAY -> Track B (Second year Ph.D. students)

Session B1	Co-Chairs: Michele Nitti, Davide Maiorca
09:15–9:30	Marco Carreras. <i>Flexibility support for TCN and CNN on FPGA-based inference accelerators.</i> ING-INF/01 (Elettronica).
09:30-09:45	Matteo Antonio Scrugli. <i>First year PhD report.</i> ING-INF/01 (Elettronica).
09:45–10:00	Matteo Bruno Lodi. <i>Study, Modeling and Development of Multifunctional Magnetic Biomaterials for Biomedical Applications.</i> ING-INF/02 (Campi Elettromagnetici).
10:00-10:15	Marco Uras. <i>PMA: People Mobility Analytics, a solution for people mobility monitoring and analysis based on WiFi-probes.</i> ING-INF/03 (Telecomunicazioni).
10:15-10:30	Zohereh Sanai Dashti. <i>Open Multi-Agent Systems.</i> ING-INF/04 (Automatica).
10:30-11:15	Coffe break
Session B2	Co-Chairs: Mauro Franceschelli, Giorgio Giacinto
11:15-11:30	Fabrizio Cara. <i>Oblivion: An Open-Source System for Large Analysis of Macro - based Office Malware.</i> ING-INF/05 (Sistemi di Elaborazione delle Informazioni).
11:30-11:45	Chao Gao. <i>State Estimation of Timed Automata under No Event Observation.</i> ING-INF/04 (Automatica). Cotutorship with Xidian University, Xi'an, China.
11:45-12:00	Chao Gu. <i>Nonblockingness Verification and Supervisory Control of Petri Nets Using a Semi-Structural Approach.</i> ING-INF/04 (Automatica). Cotutorship with Xidian University, Xi'an, China.
12:00-12:15	Daniele Battaglia. <i>Battery Electrical Modelling and DC/DC Interface.</i> ING-IND/32 (Convertitori, Macchine e Azionamenti Elettrici).

Two prizes will be awarded:

- 1) Best presentation, first year Ph.D. student
- 2) Best presentation, second year Ph.D. student

Award ceremony at 12:45

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