



2013 DRIEI PH.D. DAY

PhD Program in Electronic and Computer Engineering
PhD School in Information Engineering



Dip. di Ingegneria
Elettrica ed Elettronica

Università degli Studi
di Cagliari

Wednesday 20 February 2013

08:50 - 09:00 **Opening remarks (Room Alfa)**

	Track A Chairs: Alfonso Damiano and Danilo Pani	[Room Alfa]
09:00 - 09:15	Paolo Castello (XXVI, ING-INF/07) "An IEC 61850-Compliant distributed PMU for electrical substations"	
09:15 - 09:30	Giuseppe Colistra (XXVII, ING-INF/03) "Metodi e algoritmi per il monitoraggio di una WSN"	
09:30- 09:45	Alessio Meloni (XXVI, ING-INF/03) "Stability in Contention Resolution Diversity Slotted Aloha"	
09:45- 10:00	Michele Nitti (XXVI, ING-INF/03) "The Social Internet of Things"	
10:00- 10:15	Andrea Congiu (XXVI, ING-INF/01) "Self - Tuning Techniques for Switching Mode Power Supplies: Concept Validation "	
10:15- 10:30	Andrea Melis (XXVII, ING-INF/01) "A Reconfigurable, Wide-Band, Digital Back-End for Radio Astronomy Applications"	
10:30- 11:00	BREAK	
11:00- 11:15	Alessia Dessi (XXVII, ING-INF/06) "Study of a novel system for local or remote rehabilitation and functional evaluation of the hands"	
11:15- 11:30	Nicola Carta (XXVI, ING-INF/01) "Data Acquisition Systems and Processing Algorithms of Peripheral Neural Signals for Prosthetic Application"	
11:30- 11:45	Giulia Casula (XXVII, ING-INF/01) "Materials, methods and structures for the fabrication of novel non-volatile memories based on organic semiconductors"	
11:45- 12:00	Alberto Loi (XXVI, ING-INF/01) "Toward a full inkjet-printed OTFT for mechanical sensing application"	
12:00- 12:15	Mariella Sole (XXVI, ING-INF/03) "Control System for Workplace Safety Applications in a Maritime Cargo Terminal"	
12:15- 12:30	Claudia Musu (XXVII, ING-INF/03) "Wireless Sensor Network for safety and security"	
12:30- 12:45	Marco Pau (XXVII, ING-INF/07) "Branch-Current based State Estimators for Electric Distribution Systems"	
12:45 -13:00	Mario Porru (XXVII, ING-IND/32) "Electric Vehicle Energy Storage Management for Renewable Energy Sources Exploitation"	

	Track B Chairs: Matteo Frascini and Alessandro Pisano	[room Beta]
09:00 - 09:15	Matteo Demuru (XXVII, ING-INF/05) "Functional Connectivity and Brain Networks"	
09:15 - 09:30	Stefano Lai (XXVI, ING-INF/01) "CMOS and Organic Sensors for mechanical, chemical and biological applications"	
09:30- 09:45	Lorenzo Bisoni (XXVII, ING-INF/01) "Towards an implantable neural interface between an artificial limb and peripheral nervous system"	
09:45- 10:00	Luca Ghiani (XXVII, ING-INF/05) "Methods and algorithms on fingerprint liveness detection"	
10:00- 10:15	Marco Ortu (XXVII, ING-INF/05) "Software Mining and MicroPattern Analysis"	
10:15- 10:30	Piergiorgio Palla (XXVII, ING-INF/05) "Metabolic profiling: Data Collection and Multivariate Analysis Approaches"	
10:30- 11:00	BREAK	
11:00- 11:15	Amir Mohammad Amiri (XXVII, ING-INF/05) "Diagnosis and Classification of Heart Murmur in Newborns"	
11:15- 11:30	Andrea Pinna (XXVI, ING-INF/04) "Identification of gene regulatory networks through transitive reduction of perturbation graphs"	
11:30- 11:45	Zareh Eshghdoust Mehran (XXVII, ING-INF/04) "Delayed consensus conditions in multi agent"	

	systems”
11:45– 12:00	Emanuele Manca (XXVI, ING-INF/05) “GPU-based methods for Next-Generation Sequence analysis”
12:00– 12:15	Paolo Maxia (XXVI, ING-INF/02) “Design of a microwave cavity resonators for chemical reactions”
12:15- 12:30	Adelaide Ladu (XXVII, ING-INF/02) "Microwave devices for radioastronomy receivers"
12:30-12:45	Lucio Mascolo (XXVII, ING-INF/02) “SAR polarimetry for vegetation monitoring”
12:45-13:00	Giuseppe Valente (XXVII, ING-INF/02) "Design of New Broadband Devices for Radio Astronomy Receivers"

The DRIEI PhD Day will be hold in the “Padiglione aule alfa e beta”. Ask Dr Carla Piras if you need information on the location.

Everybody is asked to arrive strictly on time at the meeting (08.50 a.m).

Students, chairpersons and members of the evaluation committees are kindly asked to arrive at 08.45 a.m.

Students are kindly asked to read carefully the instructions for oral presentations and respect them strictly.

INSTRUCTIONS FOR ORAL PRESENTATIONS AT THE 2013 DRIEI PHD DAY

Talks will be given in Italian if all the audience understands Italian well, or in English if someone in the audience doesn't command Italian well. Chairpersons will make a decision on that.

15 minutes, including 3 mins of questions&answers.

Strictly 12 minutes for presentation, after 12 minutes the chairpersons will stop your presentation everywhere you are with your presentation. Around at the eleventh minute you will be requested by the chairpersons to go to the conclusions immediately.

Therefore, you are strongly recommended to prepare carefully your presentation in order to fit strictly within the allocated time slot (12 minutes).

Consider that your presentation will be evaluated mainly on your ability to convey effectively your contributions to the audience within the allocated 12 minutes.

I do suggest you to consider the time you will use to prepare your presentation as a valuable time for improving your ability to give a great talk in a very short time. Indeed, this is the main goal of this edition of the DRIEI Phd Day. Challenge you to give a 12 min great talk.