



Università degli Studi  
di Cagliari

# 2014 DRIEI PH.D. DAY

PhD Program in Electronic and Computer Engineering



Dip. di Ingegneria  
Elettrica ed Elettronica

**THURSDAY, February 27, 2014**

08:50 - 09:00 **Opening remarks (room B0)**

	<b>Track A</b> Chairs: Giulio Concas, Maurizio Murrone	<b>[room B0]</b>
09:00 - 09:15	<b>Giuseppe Colistra</b> (XXVII, ING-INF/03) "The problem of task allocation in the Internet of Things"	
09:15 - 09:30	<b>Andrea Melis</b> (XXVII, ING-INF/01) " An FPGA-based Wide-Band Digital Back-End for the Sardinia Radio Telescope"	
09:30- 09:45	<b>Alessia Dessi</b> (XXVII, ING-INF/06) " Non-invasive fetal electrocardiogram: research on methods for low-density recordings"	
09:45- 10:00	<b>Giulia Casula</b> (XXVII, ING-INF/01) "Novel non-volatile memory elements based on hybrid nanocomposites"."	
10:00- 10:15	<b>Claudia Musu</b> (XXVII, ING-INF/03) "Wireless Sensor Networks in "Industrial Site" : Body area application"	
10:15- 10:30	<b>Mario Porru</b> (XXVII, ING-IND/32) "Energy storage management for vehicular applications: from energy system to power train"	
10:30- 11:00	<b>BREAK</b>	
11:00- 11:15	<b>Claudia Musio</b> (XXVIII,ING- IND/32) " Sviluppo di un sistema di gestione e monitoraggio di un veicolo elettrico"	
11:15- 11:30	<b>Maura Musio</b> (XXVIII, ING-IND/32) "Optimal control and management of electrochemical energy storage systems in electrical micro-grids"	
11:30- 11:45	<b>Carlo Sau</b> (XXVIII,ING-INF/01) " Automatic Generation of Power Aware Multi-Context Reconfigurable Platforms"	
11:45- 12:00	<b>Silvia Macis</b> (XXVIII, ING-INF/01) " Towards an integrated TV-based system for active ageing and tele-care: HEREiAM project"	
12:00- 12:15	<b>Lorenzo Bioni</b> (XXVII , ING-INF/01) "Implantable Bidirectional Neural Interface"	

	<b>Track B</b> Chairs: Andrea Casula, Giorgio Fumera	<b>[room B1]</b>
09:00 - 09:15	<b>Matteo Demuru</b> (XXVII, ING-INF/05) "Functional Connectivity & Brain Networks"	
09:15 - 09:30	<b>Luca Ghiani</b> (XXVII, ING-INF/05) " A novel client-specific approach to fingerprint liveness detection"	
09:30- 09:45	<b>Marco Ortu</b> (XXVII, ING-INF/05) "Mining Software Repositories"	
09:45- 10:00	<b>Matteo Orru'</b> (XXVIII, ING-INF/05) "Software quality and agile practices analysis through a complex networks approach"	
10:00- 10:15	<b>Piergiorgio Palla</b> (XXVII, ING-INF/05) " Using Random Forests for biomarker discovery in clinical metabolomics"	
10:15- 10:30	<b>Amir Mohammad Amiri</b> (XXVII, ING-INF/05) "An Intelligent Diagnostic System for Congenital Heart Defects".	
10:30- 11:00	<b>BREAK</b>	
11:00- 11:15	<b>Mohammad Reza Farmani</b> (XXVIII, ING/05) "Clustering analysis using artificial bee colony algorithm"	
11:15- 11:30	<b>Federico Pala</b> (XXVIII, ING-INF/05)" Multimodal Person Re-identification"	
11:30- 11:45	<b>Martina Matta</b> (XXVIII, ING-INF/05) "Study and development of an automated simulation model based on Jira and Redmine Systems"	
11:45- 12:00	<b>Simone Marco</b> (XXVIII, ING-INF/02) "Optimization of Rectangular Ridge Waveguides Using PSO"	
12:00- 12:15	<b>Adelaide Ladu</b> (XXVII, ING-INF/02) " High-Performance Feeds for Sardinia Radio Telescope"	
12:15- 12:30	<b>Giuseppe Valente</b> (XXVII, ING-INF/02) " "Development of Planar OrthoMode Transducer for the band 67-116 GHz"	

The DRIEI PhD Day will be hold in rooms B0-B1 (padiglione B). 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 2014 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 yourself to give a 12 min great talk.