



Università degli Studi  
di Cagliari

# PH.D. DAY DRJEI 2012

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



Dip. di Ingegneria  
Elettrica ed Elettronica

**Thursday 23 February 2012**

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

	<b>Track A</b>	Chairs: M. Barbaro, M. Murrone	<b>[room B0]</b>
09:00 - 09:20	<b>Giuseppe Tuveri</b> (XXV, ING-INF/01)	"Adaptivity Support for MPSoCs using Kahn Process Networks: Middleware Approaches for inter-tile communication and Process Migration"	
09:20 - 09:40	<b>Sebastiano Pomata</b> (XXV, ING-INF/01)	"Exploiting FPGAs for Design Space Exploration through dynamic reconfiguration and high level simulation models"	
09:40- 10:00	<b>Nicola Carta</b> (XXVI, ING-INF/01)	"A real-time processing of tf LIFE neural signals recorded by a sigma-delta architecture in prosthetic applications."	
10:00- 10:20	<b>Alberto Loi</b> (XXVI, ING-INF/01)	"Fabrication and characterization of artificial robot skin"	
10:20- 10:40	<b>Stefano Lai</b> (XXVI, ING-INF/01)	"DNA Hybridization Sensors in CMOS and Organic Technology"	
10:40- 11:00	<b>Andrea Congiu</b> (XXVI, ING-INF/01)	"Self-Tuning Techniques in Switching Mode Power Supplies (SMPS)"	
11:00- 11:30	<b>BREAK</b>		
11:30- 11:50	<b>Paolo Maxia</b> (XXVI, ING-INF/02)	"Design of a printed wide band log-periodic antenna dipole array with a new feeding technique".	
11:50- 12:10	<b>Mauro Fadda</b> (XXV, ING-INF/03)	"A Cognitive Radio Indoor HDTV Multi-Vision System in the TV White Spaces"	
12:10 - 12:30	<b>Tiziana Dessì</b> (XXVI, ING-INF/03)	"Image based positioning system for indoor applications"	
12:30 - 12:50	<b>Mariella Sole</b> (XXVI, ING-INF/03)	"Design and development of radio systems of monitoring and emergency "	
12:50 - 13:10	<b>Michele Nitti</b> (XXVI, ING-INF/03)	"The Social Internet of Things (SIoT) – When Social Networks meet the Internet of Things: Concept, Architecture and Network Characterization"	
13:10- 13:30	<b>Alessio Meloni</b> (XXVI, ING-INF/03)	"Advances in Random Access Protocols for Satellite Networks".	

	<b>Track B</b>	Chairs: G. Fumera, C.Muscas	<b>[room B1]</b>
09:00 - 09:20	<b>Paolo Castello</b> (XXVI, ING-INF/07)	"Synchrophasor measurement under dynamic conditions"	
09:20 - 09:40	<b>Daniele Rosa</b> (XXVI, ING-INF/04)	"Diffusion of innovation in social networks"	
09:40 - 10:00	<b>Andrea Pinna</b> (XXVI, ING-INF/04)	"Structural Identification of Gene Regulatory Networks"	
10:00 - 10:20	<b>Marco Alberto Javarone</b> (XXV, ING-INF/05)	"Datasets as interacting-particle systems: a machine learning perspective"	
10:20 - 10:40	<b>Luisanna Cocco</b> (XXV, ING-INF/05)	"Agent-Based Modelling and Simulation of the Software Market".	
10:40 - 11:00	<b>M. Ilaria Lunesu</b> (XXV, ING-INF/05)	"Simulation of Software Maintenance Process using Kanban approach".	
11:00 - 11:30	<b>BREAK</b>		
11:30 - 11:50	<b>Erica Corona</b> (XXV, ING-INF/05)	"A Revised Web Objects method to estimate Web application development effort"	
11:50 - 12:10	<b>Filippo Eros Pani</b> (XXV, ING-INF/05)	"Studies on advanced industrial challenges".	
12:10 - 12:30	<b>Riccardo Satta</b> (XXV, ING-INF/05)	"Fast people re-identification and retrieval using dissimilarity representations"	
12:30 - 12:50	<b>Emanuele Manca</b> (XXVI, ING-INF/05)	"Parallelizing Burrows-Wheeler Transform on GPU"	
12:50- 13:10	<b>Antonio Bonaiuto</b> (XXVI, ING-INF/05)	"RVID: Radio and Video identification for the safety in work environments"	