UNIVERSITÀ DEGLI STUDI DI CAGLIARI

PhD Program in Electronic and Computer Engineering (DRIEI)
Coordinator: Prof. Alessandro Giua

2023 DRIEI PH.D. DAY
19th July 2023

8:45-9:00	Opening session	Room B0

Track A – Room B0

Session A1	Chairs: Massimo Barbaro, Stefano Lai	
9:00-9:15	Mattia CONCAS (Y2)	Flexible Double-Gate Transistor for Smart Wearable Devices (V). ING-INF/01.
9:15-9:30	Hatami DAVOOD (Y2)	The journey towards cheap, portable and also reliable biochemical sensors (V). ING-INF/01.
9:30-9:45	Andrea PITZUS (Y2)	Advanced signal processing and machine learning tools in cardiac and vagus nerve electrophysiology. ING-INF/01.
9:45-10:00	Giuseppe BOSSI (Y2)	Development of a Multiport Converter for Interfacing an Energy Storage System in a DC Microgrid. ING-IND/32.
10:00-10:15 - Break		
Session A2	Chairs: Maurizio Murroni, Paolo Attilio Pegoraro	
10:15-10:30	Gulnaziye BINGOL (Y2)	Are Quality and Sustainability Reconcilable? A Subjective Study on Video QoE, Luminance and Resolution (V). ING-INF/03.
10:30-10:45	Claudia CARBALLO GONZÁLEZ (Y2)	Heterogeneous Networks Management Based on Federated Learning and Cooperative Game Theory Beyond 5G. (V). ING-INF/03.
10:45-11:00	Luigi SERRELI (Y2)	Reducing Data Dimensionality in News Topics Classification. (V). ING-INF/03.
11:00-11:15	Giacomo GALLUS (Y2)	Time quality assessment in Phasor Measurement Unit with digital inputs. ING-INF/07.
11:15-11:30 - Break		
Session A3	Chairs: Giorgio Fumera, Giulia Orrù	
11:30-11:45	Sara CONCAS (Y2)	Look at me: a journey through iris-based authentication and deepfake detection. ING-INF/05.
11:45-12:00	Simone Maurizio LA CAVA (Y2)	3D Face Reconstruction for Forensic Recognition: Are We Ready? ING-INF/05.
12:00-12:15	Alessandro SANNA (Y2)	Program Analysis for Malware Detection and Security Assessment. (V). ING-INF/05.

Track B – Room B1

Session B1	Chairs: Giorgio Giacinto, Maurizio Murroni	
9:00-9:15	Mohammadali HAMIDI (Y1)	Applying Multi-view Learning in QoE Modelling. ING-INF/03.
9:15-9:30	Giovanni PETTORRU (Y1)	Secure, Trustworthy, and Context-Aware IoT Service Provisioning. ING-INF/03.
9:30-9:45	Lorenzo PISU (Y1)	Opening Paths to Remote Code Execution with Server-Side Template Injection. ING-INF/05.
9:45-10:00	Gianpaolo PERELLI (Y1)	Security against deepfake sharing. (V). ING-IND/32.
10:00-10:15 - Break		
Session B2	Chairs: Piero Cosseddu, Giovanna Mura	
10:15-10:30	Lorenzo Agostino CADINU (Y1)	Quantification and detection of biomolecules as biomarkers to assess the suitability of an organ for transplantation ING-INF/01.
10:30-10:45	Elena FERRAZZANO (Y1)	Correlation between magnetic field and capacitance in a magnetoelectric liquid). ING-INF/01.
10:45-11:00	Nasreddine MAKNI (Y1)	A smart ICT platform for efficient irrigation management in the viticulture sector ING-INF/01.
11:00-11:15	Cinzia SALIS (Y1)	Implantable Wireless Bidirectional Neural Interface for Upper Limb Prosthesis Control. ING-INF/01.
11:15-11:30 - Break		
Session B3	Chairs: Paolo Attilio Pegoraro, Alessandro Pisano	
11:30-11:45	Davide SITZIA (Y1)	A Statistical Investigation of PMU Errors in Current Measurements. ING-INF/07.
11:45-12:00	Chenhao CUI (Y2)	Cooperative Hoisting with Two Crawler Cranes under Rope-Velocity Constraints. ING-INF/04.
12:00-12:15	Tianyu LIU (Y2)	Verification of Current State Opacity using Switching Output Automata. ING-INF/04.
12:15-12:30	Wenje ZHAO (Y2)	Resilient Networks for Multi-Agent Systems based on Graphs. ING-INF/04.

Professors and Doctors (PhDs) can use these QR codes to evaluate the presentations. A gmail account is needed. The weight of each evaluator depends on the number of I or II years presentations evaluated.

II year students (Y2)

I year students (Y1)