



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

*2021 DRIEI PH.D. DAY*

*15th July 2021*

**Welcome session at 09:00**

**Chair: Prof. Alessandro Giua, DRIEI Director**

**Microsoft Teams channel: 2021 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, XXXVI ciclo (2020-2024)**

**Microsoft Teams channel: 2021 DRIEI PH.D. DAY -> Track A (First year Ph.D. students)**

<b>Session A1</b>	<i>Co-Chairs: Paolo Meloni, Alessandro Fanti</i>
9:15 - 9:30	<b>Ernesto Fontes Pupo:</b> Thresholds of outperformance among Broadcast/Multicast access techniques in 5G networks. ING-INF/03 (Telecomunicazioni).
9:30 - 9:45	<b>Francesco Ratto:</b> Design of multithread accelerators based on tagged-dataflow models. ING-INF/01 (Elettronica).
9:45 - 10:00	<b>Lucia Pintor:</b> Analysis of features for random MAC addresses clustering. ING-INF/03 (Telecomunicazioni).
10:00 - 10:15	<b>Break</b>
<b>Session A2</b>	<i>Co-Chairs: Giorgio Montisci, Daniela Loi</i>
10:15 - 10:30	<b>Claudia Macciò:</b> Measurement of the permittivity of the carasau bread dough at MW frequency. ING-INF/02 (campi elettromagnetici).
10:30 - 10:45	<b>Elena Marongiu:</b> A model for a comb-line wearable patch antenna. ING-INF/02 (campi elettromagnetici).
10:45 - 11:00	<b>Riccardo Collu:</b> Bidirectional implantable wireless system for prosthetics control. ING-INF/01 (Elettronica).
11:00 - 11:15	<b>Antonello Mascia:</b> Realization of flexible electronics for wearable sensors. ING-INF/01 (Elettronica).



## Track B: Second year Ph.D. students, XXXV ciclo (2019-2023)

Microsoft Teams channel: 2021 DRIEI PH.D. DAY -> Track B (Second year Ph.D. students)

<b>Session B1</b>	<i>Co-Chairs: Davide Maiorca, Marco Martalò</i>
9:15 - 9:30	<b>Francesca Marcello:</b> Daily Activities Monitoring of Users for Well-Being and Stress Correlation Using Wearable Devices. ING-INF/03 (Telecomunicazioni).
9:30 – 9:45	<b>Marco Micheletto:</b> Fingerprint recognition with embedded presentation attacks detection: are we ready? ING-INF/05 (Sistemi di Elaborazione delle Informazioni).
9:45 – 10:00	<b>Claudio Marche:</b> Trust-related Attacks and their Detection. ING-INF/03 (Telecomunicazioni).
10:00 – 10:15	<b>Angelo Sotgiu:</b> Towards improving robustness of machine-learning models against adversarial noise. ING-INF/05 (Sistemi di Elaborazione delle Informazioni).
10:15 – 10:30	<b>Break</b>
<b>Session B2</b>	<i>Co-Chairs: Michele Nitti; Ambra Demontis</i>
10:30 – 10:45	<b>Paola Busia:</b> Platform awareness for efficient CNN inference at the edge. ING-INF/01 (Elettronica).
10:45 – 11:00	<b>Lorena Mariani:</b> RFID and NFC Technologies for the Logistic of Carasau Bread. ING-INF/02 (campi elettromagnetici).
11:00 - 11:15	<b>Gianluca Leone:</b> Zyon: connecting on-line neural signal processing and real time neural network emulation. ING-INF/01 (Elettronica).
11:15 - 11:30	<b>Roberto Puddu:</b> A self-configurable IoT Satellite Gateway with QoS Traffic Management. ING-INF/03 (Telecomunicazioni).
11:30 - 11:45	<b>Roberto Casula:</b> Fingerprint Spoofing: dangers of attack methods - ScreenSpoof, Adversarial and LivDet 2021. ING-INF/05 (Sistemi di Elaborazione delle Informazioni).

### Two prizes will be awarded:

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

### Award ceremony at 12:00

Chair: Prof. Alessandro Giua, DRIEI Director

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