



ACPS 2022

# Annual Congress of PhD Students

The 1<sup>st</sup> congress organised by LARIS PhD students

In order to promote the work of LARIS (Laboratoire Angevin de Recherche en Ingénierie des Systèmes) PhD students, this first edition of this innovative event is dedicated to all the staff of LARIS. ACPS 2022 will be held on July 4, 2022 in Angers, France.

ACPS constitutes a forum to share research activities, ideas and experiences between all PhD students and every researcher of LARIS. ACPS allows all PhD students to present not only the progress of their research work but also the evolution of research methods in LARIS.

All PhD junior and senior students of LARIS are invited to present their research activities in English, in person or remotely. Each presentation will last 15 minutes, followed by 5 minutes for questions. This annual congress is also an opportunity for PhD students to improve their communication skills in English.

## ACPS 2022

**When?**  
July 4, 2022

**Where?**  
Polytech Angers  
62 avenue Notre Dame  
du Lac  
49000 Angers



**MONDAY, JULY 4 – AMPHI A**



1:30 PM – 2:00 PM

### OPENING SPEECH

2:00 PM – 2:20 PM

#### Deep Learning for scalp High Frequency Oscillations Identification

Gaëlle Milon-Harnois, Nisrine Jrad, Daniel Schang, Patrick Van Bogaert and Pierre Chauvet

2:20 PM – 2:40 PM

#### Deep Learning for epileptic seizures detection

Tala Abdallah, Patrick Van Bogaert, Fahed Abdallah and Nisrine Jrad

2:40 PM – 3:00 PM

#### Mixed VR/AR approach for performance monitoring and diagnostic support of building systems in operation phase

Corentin Coupry, Sylvain Noblecourt, Paul Richard, David Bigaud and David Baudry

3:00 PM – 3:20 PM

#### Evolution of maintenance policies: from reactive to predictive and prescriptive

Nicola Esposito, Bruno Castanier and Massimiliano Giorgio

3:20 PM – 3:40 PM

#### Optimizing PV systems : towards better efficiency and faultless performance

Khaled Osmani, Ahmad Haddad, Thierry Lemenand, Bruno Castanier and Mohamad Ramadan

3:40 PM – 4:00 PM

### COFFEE BREAK

4:00 PM – 4:20 PM

#### Criteria stochastic filtering of max-plus discrete event systems with bounded random variables

Guilherme Espindola-Winck, Laurent Hardouin, Mehdi Lhommeau and Rafael Santos-Mendes

4:20 PM – 4:40 PM

#### New/Advanced Hybrid Heat Recovery Systems with integrated vortex generators – Numerical and parametric studies

Rima Al Aridi, Thierry Lemenand, Mahmoud Khaled and Samer Ali

4:40 PM – 5:00 PM

#### Evaluation and qualification of the reliability of electronic components and assembly processes for medical applications

Fatima-Ezahra Indmeskine, Abdessamad Kobi and Laurent Saintis

5:00 PM – 5:20 PM

#### Coupling simulation and accelerated degradation model for reliability estimation: Application to a voltage regulator

Jaber Al Rashid, Laurent Saintis, Mohsen Koohestani and Mihaela Barreau

## ORGANIZING COMMITTEE

Tala Abdallah, ISISV PhD student  
Bérangère Daviaud, SDO PhD student  
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## Contact

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