

DETAILED PROGRAM

MORNING SECTION

7:30 – Recommended arrival at LCIS

7:45 – Departure from LCIS parking

8:00-9:10 – Arrival and Breakfast Break

9:10-10:20 – 1st year PhD presentations (12min/per)

1. **Design of a short impulse generator and sampler for UWB short-range radar application.**

Arthur SILVA SOUZA (ORSYS)

2. **Work in Progress: Securing a Critical Variable at Compile Time**

Clara BOURGEAIS (CTSUS)

3. **A PUF-Enhanced Ring Oscillator-Based Authentication System for IoT Devices**

Mariam ESMAEILIAN (CTSUS)

4. **SLAM and Navigation: A B-spline framework**

Tan Minh Hung TRUONG (CO4SYS)

5. **Control and navigation of robotic teams for monitoring applications**

Huynh Thao Trang NGUYEN (CO4SYS)

10:20-10:55 – Break & Poster session + Best PhD presentation vote

- **Distributed Control for multi-robot system under constraints.**
Cong Khanh DINH (CO4SYS)
- **The long-term development of artificial agents.**
Weikang ZENG (CO4SYS)
- **Motion-modulated Harmonic and Intermodulation Sensors.**
Meng YANG (ORSYS)
- **RTL Fault Classification for a Low False Positive Rate Safe & Secure AES**
Daniel THIRION (CTSUS)
- **A Study of Autonomous Restoration Mechanisms for Embedded Systems.**

Zoé Lagache (CEA)

10:55-11:30 – Intern presentations (5min/per)

1. **Joint analysis of safety and security.**

Lada EGOROVA (CTSUS)

2. **Countermeasures against power-off laser attacks on FPGA.**

Enzo GUERIN (CTSUS)

3. **Side Channel Attack on Non-Volatile Memories**
HAMMAD HAMMAD (CTSUS)
4. **Fault Injection Attack on Non Volatile Memories**
Faizan ZAHID (CTSUS)
5. **Adaptive Security for Autonomous Systems Application to the Multi-Agent System Model**
Yohan BINAN (CO4SYS)
6. **Control of a safe and secure self-driving car**
Elena PINDICHI (CO4SYS)

11:30-11:55 – Break + Short presentation for **Pr. Hieu** (Ho Chi Minh City University of Technology)

11:55-12:30 – Intern presentations (5min/per)

7. **Hierarchical control of teams of aerial vehicles with safety guarantees**
Stefania BAJDU (CO4SYS)
8. **Optimisation Based Control for a Quadruped Robot**
Cristi Daniel BERCU (CO4SYS)
9. **Advanced control of a three-phase arc furnace producing Silico-Manganese**
Manh Duc NGUYEN (CO4SYS)
10. **N faire un interpréteur MIDI 2.0 pour un synthétiseur MIDI 1.0**
REBIERE Gabin (CO4SYS)
11. **Addressing False Data Injection Attacks**
LEMEN-VINCIGUERRA ENZO (CO4SYS)
12. **Développement d'une application sur la répartition des compétences pour la décentralisation des services publics**
FAUGERON Tylan (CO4SYS)

12:30-12:50 – Best presentations prizes & morning closing speech

13:00-14:15 – Lunch break

AFTERNOON SECTION

	GROUP 1	GROUP 2
14:30-16:30	Musée de l'Eau Water Tasting	Visit of Grotte de Choranche
16:30-18:30	Various Activities in Pont-en-Royans Rest, Playing games, Hiking, Bathing, ...	
18:30-19:20	Return trip to LCIS	
19:20-	Evening party at LCIS	

CAR SHARING (Drivers in bold)

Arthur DESUERT (from Romans), Zoé LAGACHE, Patricia ORARD, Clement Raievsky

Annabelle Mercier (from St-Marcellin), alone

Daniel THIRION (from Grenoble), alone

Julien SOULE, Weikang ZENG, Minh Tuan Dinh, Manh Duc NGUYEN, Bercu Cristi Daniel

Karem HAFSI, Hammad, Faizan ZAHID, Gabin REBIERE, Elena PINDICHI

Denis GENON-CATALOT, alone

Nicolas BARBOT, Ionela PRODAN, Prof. HIEU, Yohan BINAN, Nicolas' student

Vincent BEROULLE, Enzo LEMEN, Enzo GUERIN, Tylan FAUGERON, Cong Khanh DINH

Yann KIEFFER, Maryam ESMAELIAN, Selim AZZOUNI, Lada EGOROVA, Stefania Bajdu

Clara BOURGEAIS, Louis MORGE-ROLLET, Arthur SILVA SOUZA, Eya SAHLI, Louis' student

Marie VERGRIETE, Sebastien MICHELLAND, Chayma BEN SALEM, Khouloud JOMAA

Romain SIRAGUSA, Simon GAY, Valentin EGLOFF, Christophe DELEUZE, Meng YANG

Laurent Lefèvre, Huynh Thao Trang Nguyen, Tan Minh Hung Truong, Rayan AMORIM

WHAT TO BRING

For the morning seminar:

- **Your full attention** for our wonderful student presentations & posters

For Grotte de Choranche:

- **Warm Clothing** (10°C inside the cave) **and walking shoes**.

For the afternoon:

- **Walking/Hiking shoes** for those who want to explore the town or hike with us
- **Towels** for sitting in the grass in the park, **Bathing suits** if you want to bathe in the river, **Sunscreen** because we do not know if it's going to be shaded enough.
- **Board Games, cards**, if you want to play with your peers.

LOCATION & ACTIVITIES

SEMINAR LOCATION: Musée de l'Eau, Pont-en-Royans

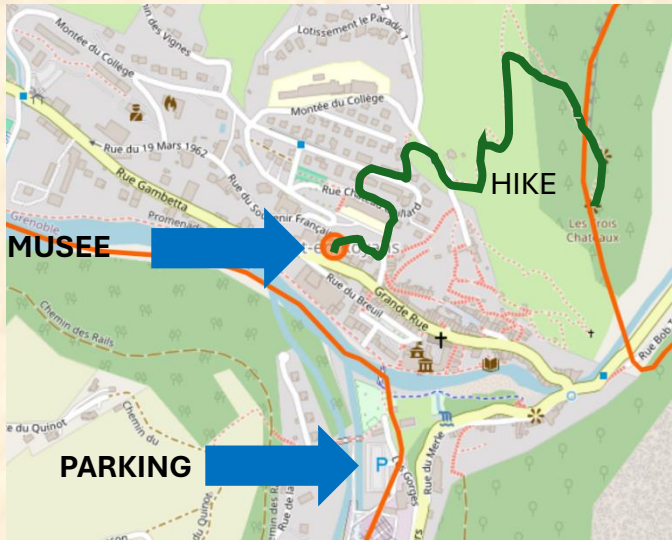
Pont-en-Royans is a picturesque village in southeastern France, located at the gateway to the Vercors Regional Natural Park. It is renowned for its colorful suspended houses built dramatically over the Bourne River, a reflection of the town's historical wood trade heritage.



The **Musée de l'Eau** in *Pont-en-Royans*, located at the gateway to the Vercors Regional Natural Park, is a unique cultural and educational center dedicated to water in all its forms. The museum offers an engaging and interactive experience that explores the scientific, environmental, and artistic aspects of water.

The **Grotte de Choranche** is a spectacular limestone cave in the Vercors Regional Natural Park near Pont-en-Royans. It is renowned for its rare soda-straw stalactites, underground rivers, and crystal-clear lakes, offering a magical underground experience through guided tours that showcase its unique geological formations and natural beauty.





Car Parking is very close to the Musée, a 5 minutes' walk which takes you across the park which we will be spending time after the activities in.

The short hike proposed is 175m of elevation, 5km length, and takes you to a scenic viewpoint over the town.