



ADVANCING MULTI-ROBOT SYSTEMS



Agenda

Day 1

 **14:00–14:30 Welcome Coffee**

 **14:30–15:10 Keynote 1 — Jérémy Rivière**

Associate Professor at Université de Bretagne Occidentale, Lab-STICC, Brest

Title: *Interaction humain-essaims de robots : quelles informations communiquer (et comment) pour un contrôle informé de l'essaim ?*

 **15:10–15:50 Community Talks 1 — Human-Autonomy Collaboration & Decision Models**

- **Stéphane Zieba** (Thales – cortAIX Labs)

An approach towards Human-Autonomy Teaming for adaptive Human-robot collaboration

- **Abdel-Iliah Mouaddib** (Université de Caen)

Decentralized decision models for autonomous and semi-autonomous Multi-robot systems

 **15:50–16:20 Coffee Break**

 **16:20–17:00 Keynote 2 — Theotime Balaguer**

PhD student at INSA Lyon, ANR Concerto project

Title: *Use and improvement of communications within drone fleets*


 **17:00–17:40 Community Talks 2 — Coordination, Allocation, and Mixed-Initiative Systems**

- **Victor Guillet** (ONERA)

Extension de CBBA par intercession d'offre pour favoriser l'initiative mixte

- **Caroline Bonhomme** (Safran / ONERA)

Multi-Agent Path Finding with Task Assignment and Supporting Constraints

 **17:40–18:00 Wrap-up of Day 1 / Open Discussion**

Day 2

 **08:30–09:00 Welcome Coffee**

 **09:00–09:40 Keynote 3 — Lara Briñón-Arranz**

Associate Professor at ENSE3, Grenoble, and Head of the COPERNIC team at GIPSA-lab

Title: *Control of swarms*

 **09:40–10:40 Community Talks 3 — Resilient, Scalable, and Learning-Based Multi-Robot Systems**

- **Esteban Restrepo** (IRISA)

Open Multi-Robot Systems for Resilient Teams

- **Antonio Marino** (Inria Rennes)


Coordination-Informed Multi-Objective Multi-Robot RL

- **Marco Tognon** (Inria Rennes)

Aerial Manipulation: from Single-Robot Control to Multi-Robot Coordination

 **10:40–11:10 Coffee Break**

 **11:10–12:00 Demos + Lab Visit**

 **12:00–13:30 Lunch**

 **14:00–14:40 Keynote 4 — Caroline Senzier**

Safran / GICAT

Title: *De la téléopération à l'autonomie : Avancées et lacunes pour une robotique terrestre crédible dans le domaine défense*

 **14:40–15:40 CoHoMa Talks – Session 1: Presentation of teams' results**

- **Christophe Grand** (ONERA – Équipe ICARE)
- **Eric Dubreuil** (Polytech Montpellier – Equipe Polytech)
- **Christophe Bares** (ENSEA – Equipe Theseus)

 **15:40–16:10 Coffee Break + Poster Session**

 **16:10–17:10 CoHoMa Talks – Session 2: Presentation of teams' results**

- **David Filliat** (ENSTA – Equipe Hakarl)
- **Aurélien Tricault** (INANIX - Equipe Breizhbot)
- **Cédric Bach** (Human Design Group)

 **17:10–17:30 Closing Remarks**