

JOURNÉE DES DOCTORANTS 2024



Welcome coffee

08h30-09h00



Scientific Exchange

09h00-12h30

1st year PhD student presentations.

2nd year PhD student posters.

Intern presentations.



Lunch break

12h30-13h45

Have lunch at "Les Oliviers".



Outdoor activities

13h45-18h00

Hike and visit "Tour de Crest".

Rest or play sports.



Gastronomic party

18h30

Engage in conviviality with peers.

Delight in a BBQ affair.

JDD 2024



Hôtel Restaurant Les Oliviers



18th June 2024



jdd@lcis.grenoble-inp.fr



DETAILED PROGRAM

MORNING SECTION

08h30-09h00: Welcome coffee -----

09h00-10h20: PhD presentations -----

1. Proof Assistants for teaching.

Frédéric TRAN MINH (CTSUS)

2. Modulation Non-Linéaire de Tag UHF RFID.

Meng YANG (ORSYS)

3. The long-term development of artificial agents.

Weikang ZENG (CO4SYS)

4. Distributed Control for multi-robot system under constraints.

Cong Khanh DINH (CO4SYS)

10h20-11h05: Poster sessions -----

**1. Experimental Evaluation of Delayed-based Detectors
against Power-off Attack**

Maryam ESMAEILIAN (CTSUS)

2. How could we fuzzEM all?

Ulysse VINCENTI (CTSUS)

**3. From Hardware Vulnerabilities to Combined Software/
Hardware Countermeasures.**

Sébastien MICHELLAND (CTSUS)

4. On the Organization of a Cyberdefense Multi-Agent System.

Julien SOULÉ (CO4SYS)

**5. Efficient Switching in Mixed-Integer Predictive Control for a
Three-Phase Electric Arc Furnace.**

Minh Tuan DINH (CO4SYS)

**6. On the complexity of computing the Maximal Positive
Invariant set.**

Bogdan GHEORGHE (CO4SYS)

DETAILED PROGRAM

MORNING SECTION

11h05-12h20: Intern presentations -----

1. DETOXIO-S.

Antoine PEREDERII, Maxime LABALETTE (CTSYS)

2. Power-Off Attacks.

Yassine HMIMOU (CTSYS)

3. Fault injection attacks on RISC-V.

Souheila MISSAOUI (CTSYS)

4. Fault injection attacks and their countermeasures on RISC-V.

Akhil SEVDA (CTSYS)

5. Design and implementation of Lightweight Blockchain for Embedded Systems.

Victor Chukwuebuka EZE (CTSYS)

6. Theory and Practice of Vectorial Extension for Stream Processing.

Zoë COURVOISIER (CTSYS)

7. 800 MHz wearable antenna for military application.

Bruno SILVA ANDRADE (ORSYS)

8. 1.4 GHz wearable antenna for military application.

Yasmine ELOUARDI (ORSYS)

9. Simultaneous localization and mapping versus bio-inspired navigation: a b-spline framework.

Tan Minh Hung TRUONG (CO4SYS)

10. Multi-robot formation control with experimental validation.

Huynh Thao Trang NGUYEN (CO4SYS)

11. Modelling and control of a class of Piezo-electric actuators.

Emilio José OLIVARES KABRANA (CO4SYS)

12h20-12h30: Prizes and morning closing speech -----

12h30-13h45: Lunch break -----

DETAILED PROGRAM

AFTERNOON SECTION

	GROUP 1	GROUP 2
13h45-14h30	Relax, Play sports	Relax, Play sports
14h30-15h00	Go to "La Tour de Crest"	
15h00-15h30	Visit the medieval castle of Crest	
15h30-16h00		Go to "La Tour de Crest"
16h00-17h00	Do hiking, Visit the town of Crest	Visit the medieval castle of Crest
17h00-18h00		Visit the town of Crest
18h00-18h30	Day closing, Come back to Esisar	
18h30	Prepare and enjoy the BBQ party at Esisar	

CAR SHARING



STANDARD ITINERARY

GROUP 1

Car 1: Clément RAIEVSKY
Mohamed ABDELSALAM
Souheila MISSAOUI
Pierre LEMAÎTRE AUGER
Daniel THIRION

Car 2: Laurent LEFEVRE
Valentin EGLOFF
Vinisha CHALUVAYALIL
Zoë COURVOISIER
Sébastien MICHELLAND (noon)

Car 3: Christophe DELEUZE
Huynh Thao Trang NGUYEN
Tan Minh Hung TRUONG
Akhil SEVDA
Tom CASTRO

Car 4: Antoine PEREDERII
Ihab ALSHAER
Maryam ESMAEILIAN
Huu-Thinh DO

Car 5: Maxime LABALETTE
Victor CHUKWUEBUKA
Bruno SILVA ANDRADE
Léa GANICHAUD

GROUP 2

Car 6: Annabelle MERCIER
Ionela PRODAN
Cong Khanh DINH
Vincent MARGUET
Antoine BENDIMERAD

Car 7: Yann KIEFFER
Ilyas LOK-AYBA
Selim AZZOUNI
Mohammed-El-Amin TEBIB
Landry FOTSO DJEUNDJIN

Car 8: David HÉLY
Emilio OLIVARES
Ulysse VINCENTI
Simon GAY

Car 9: Marie VERGRIETE
Maximilian MOGLER
Minh Tuan DINH
Sébastien MICHELLAND (matin)

Car 10: Julien SOULÉ
Arthur BAUDET
Yassine HMIMOU
Meng YANG
Weikang ZENG



DEPART FROM ROMANS

Car 11: Arthur DÉSUERT

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RETURN AFTER LUNCH

Car 12: Vincent BEROULLE
Jean-Paul JAMONT
Michel OCCELLO
Smail TEDJINI
(François SURO)

Car 13: Denis GENON-CATALOT

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On their own (Group 1):

Frédéric TRAN-MINH, Karem HAFSI, Gheorghe BOGDAN, Yasmine ELOUARDI