

INNOVATIVE ROBOTICS FOR AGILE PRODUCTION



Nicolas Mansard **CNRS** 



















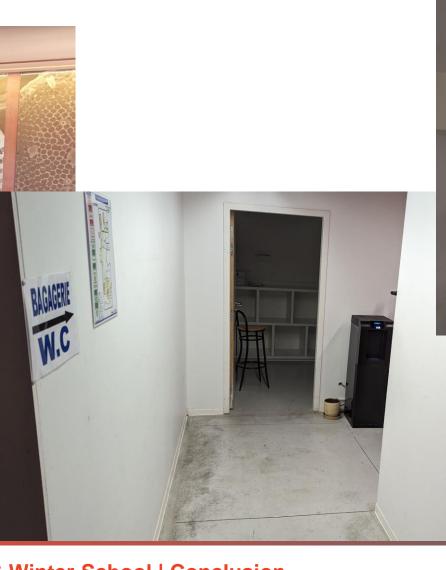


## **Practical information**

Don't forget to give your key



- Leave tomorrow?
  - Leave anytime
  - No breakfast
  - (but dinner on Friday)







## **Agimus teachers**



Florent Lamiraux planning



Justin Carpentier *models* 



Mederic Fourmy perception



Narcís Miguel i Baños architecture





Guilhem Saurel software



Wilson Jallet constraints



Louis Montaut collisions



Quentin Le Lidec simulation

**Assisted by** Kateryna Zorina, Armand Jordana, Maximilien Naveau, David Kovar, Martin Cifka, Ajay Sathya, Ludovic de Matteis





# **Keynote speakers**



Timothy Bretl *Univ. Illinois* 



Ludovic Righetti
New York Univ.



Adrien Taylor Inria Paris



Adrien Escande Inria Grenoble





## **Administrative support**

- LAAS administrative support
  - Christele Mouclier, Financial Manager of Agimus
- Observatoire Océanologique de Banyuls
  - Patricia Fuentes



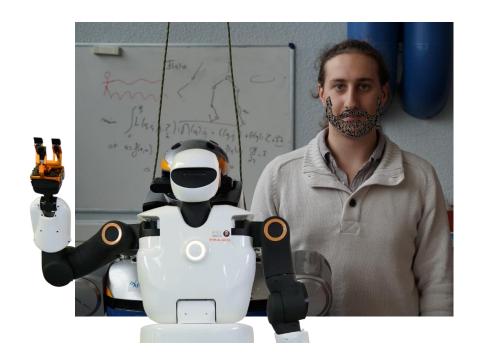




# **Technical support**



Guilhem Saurel Research Engineer LAAS-CNRS



Maximilien Naveau Research Engineer Toward

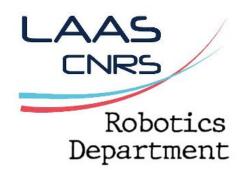




## **Funding agencies**













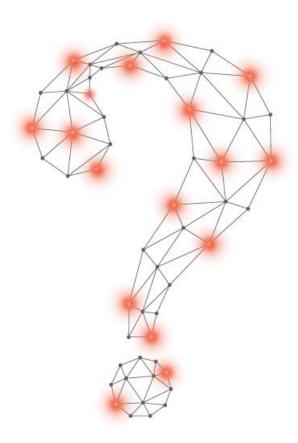
#### **Materials**

- Slides in the shared repository
- Repository with code is open source
- Talks will be (mostly) online on <a href="https://peertube.laas.fr">https://peertube.laas.fr</a>
- Sumary of all these information on <a href="https://aws.sciencesconf.org">https://aws.sciencesconf.org</a>
- [matrix] is going to stay alive, ask questions
- Invite the teachers in your labs
- Come visit us, apply for post doc
- We will send a participation certificate
  - I can sign specific paper if you need



















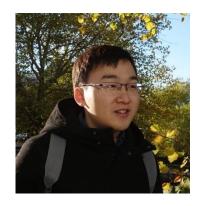






## Awarding the best posters

- Panel
  - Kateryna Zorina(CTU)
  - Armand Jordana (INRIA/NYU)
  - Ajay Sathya (INRIA)



Jiayun Li Technische Universität Darmstadt

Learning Optimal Open-Loop Robot Motion as Dynamic Systems and Future Directions

- Quentin Le Lidec (INRIA)
- Louis Montaut (INRIA)
- Wilson Jallet (INRIA)

#### **AWS Best Poster**



Joaquim Ortiz-Haro
Technische Universität Berlin

iDb-A\*: Iterative Search and Optimization for Optimal Kinodynamic Motion Planning



Khaled Wahba
Technische Universität Berlin

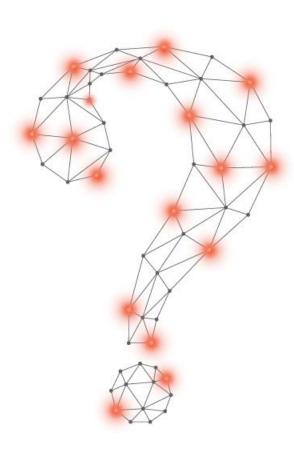
Kinodynamic Motion Planning for a Team of Multirotors Transporting a Cable-Suspended Payload





### **Questions and Answers**





#### **Contact Details**

Nicolas Mansard **CNRS** nmansard@laas.fr





















# Thank you very much for your attention!











www.agimus-project.eu