



# Summer School 2024

## Optimization-based Control Systems: Theory & Applications

5-DAY SUMMER SCHOOL

**FREE REGISTRATION**



**17 9-13 September 2024**

**Pisa, University of Pisa,  
School of Engineering**

Feel our learning experience to gain both theoretical knowledge and practical insights into advanced methods for optimal-based control.

### **MAIN TOPICS**

- State-of-the-art approaches to the formulation and solution of optimal control problems
- Basis of numerical optimization
- Model predictive control design
- Data-driven modeling techniques of traditional and machine-learning methods

### **HIGHLIGHTS**

- Theoretical lectures accompanied by workshops with computer exercises
- Freedom to select your application problem to test your recent learnings
- Opportunity to present your results and receive feedback in real-time

### **KEY SPEAKERS**

**Moritz Diehl**  
**Karol Kiš**

**Gabriele Pannocchia**  
**Marco Vaccari**

**Martin Mönnigmann**  
**Riccardo Bacci di Capaci**

Registration deadline: July 22nd, 2024



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