# International Summer School on Unmanned Aircraft Systems in Traffic Applications

**ASTRA 2023**

## Preliminary Programme

### Virtual part: 21 June 2023

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### Physical part: 26-30 June 2023

#### Day 1

- Welcome and Opening Ceremony
- Faculty and Educational&Training Center tour
- Possibilities and Challenges of UAS Applications in Traffic

#### Day 2

- A Beginner’s Guide to UAS and Flight Operations
- EASA Regulations for UAS Flight Operations
- UAS Components and UAS Control Basics
- Practical Work: Virtual UAV Flight Control

#### Day 3

- Sensor Integration with UAS for Traffic Applications
- Practical Work: Virtual UAV Flight Control
- Rijeka City Tour

#### Day 4

- Introduction to Computer Vision
- Innovative Approaches for UAS Mission Planning and Automatization
- UAS in Search and Rescue Operations
- Practical Work: Virtual UAV Flight Control

#### Day 5

- Practical Field Work: Exercise on UAV Control
- Social Event and Final Presentation
- Closing Ceremony