

# International Summer School on Unmanned Aircraft Systems in Traffic Applications

## ASTRA 2023

### -PRELIMINARY PROGRAMME

**Virtual part:** 21 June 2023

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| About the University of Rijeka, Faculty of Maritime Studies                             |
| How ASTRA 2023 Teaching and Training Plan Corresponds with our Institution's Curriculum |
| Venue Presentation  |
| Presentation of the Teaching Plan for the Mobility Period                               |
| Q&A   |

**Physical part:** 26-30 June 2023

#### DAY 1

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

#### DAY 2

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| 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

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

#### DAY 4

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| 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

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



