

# International Summer School on Unmanned Aircraft Systems in Traffic Applications

## ASTRA 2023

### -PRELIMINARY PROGRAMME

**Virtual part:** 21 June 2023

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

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

