

The EUSPACE Summer School is a multi-disciplinary project financed by the European Union, Erasmus Plus Jean Monnet Programme, that aims at giving an analysis of the current main legal and technical issues related to the intervention of the European Union in space.

The venue will be the city of Genoa, located on Italy's north-western coast, easily reachable via Genoa airport. The initiative aims to attract researchers and young professionals in law, political science and engineering, as well as doctoral and post doctoral students dealing with the space sector.

Precisely the participation is opened to students who have attended at least a three years' study university course in the above-mentioned topics.

Students who will attend at least 80% of the lessons will be provided with an attendance certificate by the organisation. Moreover, within the programme a Workshop involving the active participation of students is forecast in order to stimulate their knowledge of the topic.

The speakers will be academics from the University of Genoa and other Universities as well as operators in the field of space industries and institutions. Particularly relevant is the participation of representatives of the European Space Agency and the Italian Space Agency.

This year the main topic will be "The future of space activities".

MONDAY 7 SEPTEMBER 2020

09.00 - 11.00

Maria Elena De Maestri - Mario Marchese

Opening Session

11.00 - 13.00

Fabio Patrone

What could the future of satellite communications hold for us?

14.00 - 16.00

Catherine Doldirina

Regulatory framework for conducting sustainable space activities

16.00 - 18.00

Frans Von der Dunk

National space legislation as a tool for economic development of space activities

17.00 - 18.00

Frans Von der Dunk

European cooperation in space: ESA and the EU

THURSDAY 10 SEPTEMBER 2020

09.00 - 11.00

Erika Ermoli - Taylor Dorigatti - Edward Burger

Ground Segment Services for Microsatellites

11.00 - 13.00

Alessio Fanfani

Introduction to CubeSats and their role in current and future space activities

14.00 - 16.00

Ilaria Zilioli

Scientific missions in the new era: ESA perspective

16.00 - 18.00

Carlo Golda

A pragmatism approach to space activities: some critical issues

TUESDAY 8 SEPTEMBER 2020

09.00 - 11.00

Michele Luglio

Old constellations, new systems, never-ending regulation

11.00 - 13.00

Cesare Roseti

Satellite systems in the incoming 5G services: roles, expectations and challenges

14.00 - 16.00

PJ Blount

Cybersecurity and ATS Systems

16.00 - 18.00

Beatriz Pisoni Barba - Ester Martin Dominguez

Law & engineering: GALILEO space Unit

FRIDAY 11 SEPTEMBER 2020

09.00 - 11.00

Fulvio Babich

Multiple access techniques for heterogeneous 5G/6G-Satellite Networks

11.00 - 13.00

ROUND TABLE (Fabio Patrone, Mario Marchese)

Questions and answers about the future of satellite communications from a technological viewpoint

14.00 - 16.00

Marco Pedrazzi

The legal regime of the Lunar Gateway

16.00 - 18.00

WORKSHOP

Claudio Maccone - Nicolò Antonietti

A Legal instrument to protect the PAC: proposals and discussion

WEDNESDAY 9 SEPTEMBER 2020

09.00 - 11.00

Sebastiano B. Serpico - Gabriele Moser

Earth Observation from Space: Introduction and Selected Applications

11.00 - 13.00

Maurizio Mongelli

Artificial Intelligence trends in the aerospace sector

15.00 - 17.00

Joanne Gabrynowicz

Some legal considerations regarding the future of space governance