

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 **“Outer space activities as a glue between past and future: new actors, new frontiers and multidisciplinary approaches”**.

### **MONDAY 19 JULY 2021**

09.00 - 11.00

**Maria Elena De Maestri - Mario Marchese**

Opening Session

11.00 - 13.00

**Mohamed-Slim Alouini**

Connecting the remaining 3+ Billion: A key 6G challenge and opportunity

14.00 - 16.00

**Ward Munters**

Space Traffic Management (STM) and multidisciplinary space law, policy & science research

16.00 - 18.00

**Jan Wouters**

An introduction to EU space policy

16.00 - 18.00

**Frans Von der Dunk**

Space resource exploitation

### **THURSDAY 22 JULY 2021**

09.00 - 11.00

**Simone Morosi**

From Connectivity to Advanced Internet Services: Small satellites communications and networks

11.00 - 13.00

**Fabio Patrone**

What could the future of satellite communications hold for us?

14.00 - 16.00

**Sergio Marchisio**

The Artemis Accords as a new frontier of space exploration: legal perspectives

16.00 - 18.00

**Ilaria Zilioli**

ESA as a subject of space law and space activities

### **TUESDAY 20 JULY 2021**

09.00 - 11.00

**Claudio Sacchi**

The past, present and future of satellite communications

11.00 - 13.00

**Chiara Cellerino**

EU and ESA: what a relationship!

14.00 - 16.00

**Marco Pedrazzi**

The new frontier: the colonization of celestial bodies

16.00 - 18.00

**Kar-Ming Cheung**

An Introduction of Deep Space Communications and Challenges

### **WEDNESDAY 21 JULY 2021**

09.00 - 11.00

**Tanya Scalia – Matteo Coletta – Fiorella Coliolo**

New space economy & Technology transfer

11.00 - 13.00

**Attilio Vaccaro**

Research and innovation activities in satellite communications

14.00 - 16.00

**Catherine Doldirina**

Sustainable space activities as an enabler of the future: Regulatory aspects and best practices

### **FRIDAY 23 JULY 2021**

09.00 - 11.00

**Marina Ruggieri**

Are we equipped for a long space travel?

11.00 - 13.00

**Maurizio Murroni – Vlad Popoescu – Massimo Farina**

Quality of Experience and Internet of Things for service management on new generation broadband satellite networks

14.00 - 16.00

**Carlo Golda**

Humans in space: legal regulation of life onboard and possible scenario for planet colonization

16.00 - 18.00

**Alice Mazzesi – Hugo Zunker**

EU Copernicus programme – Being prepared for 2021-2027