



Co-funded by the  
Erasmus+ Programme  
of the European Union



**SPACE4U** **EUSPACE**  
EU law, policies,  
actions & technology | European Union in Space  
**JEAN MONNET CHAIR** **JEAN MONNET**  
**MODULE**

---

7 - 11 SEPT 2020

---

# SUMMER SCHOOL

---

**LAW AND TECHNOLOGY**

UNIVERSITY OF GENOA

---

Alessio Fanfani | Beatriz Pisoni Barba |  
Carlo Golda | Catherine Doldirina |  
Cesare Roseti | Edward Burger |  
Erika Ermoli | Ester Martin Dominguez |  
Fabio Patrone | Frans Von der Dunk |  
Fulvio Babich | Ilaria Zilioli |  
Joanne Gabrynowicz | Marco Pedrazzi |  
Maria Elena De Maestri | Mario Marchese |  
Maurizio Mongelli | Michele Luglio |  
Michele Piana | PJ Blount | Taylor Dorigatti

[www.eu-space.eu](http://www.eu-space.eu)

**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

**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

**WEDNESDAY 9 SEPTEMBER 2020****9.00 - 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

**17.00 - 18.00**

*Michele Piana*  
AI and ESA solar orbiter mission

**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**

*Ilenia Zilioli*  
Scientific missions in the new era: ESA perspective

**16.00 - 18.00**

*Carlo Golda*  
A pragmatical approach to space activities: some critical issues

**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

**ALESSIO FANFANI**

Function & Operation System Engineer,  
Leonardo

**BEATRIZ PISONI BARBA**

Contract Officer,  
GMV Aerospace and Defence S.A.U.

**CARLO GOLDA**

Attorney at Law, IISL member,  
Copuos IISL past delegate

**CATHERINE DOLDIRINA**

Legal Counsel, D-Orbit

**CESARE ROSETI**

Assistant Professor,  
University of Rome Tor Vergata

**EDWARD BURGER**

Space Regulatory Affairs, Leaf Space

**ERIKA ERMOLI**

HR Business Partner, Leaf Space

**ESTER MARTIN DOMINGUEZ**

Subcontractor Programme Manager,  
GMV Aerospace and Defence S.A.U.

**FABIO PATRONE**

Post-doc Research Fellow,  
University of Genoa

**FRANS VON DER DUNK**

Harvey and Susan Perlman Alumni  
/Othmer Professor of Space Law  
Space, Cyber and Telecommunications  
Law LL.M. Program at University of  
Nebraska-Lincoln, College of Law

**FULVIO BABICH**

Full Professor, University of Trieste



Co-funded by the  
Erasmus+ Programme  
of the European Union



Università  
di Genova

DIGI DIPARTIMENTO  
DI GIURISPRUDENZA

**ILARIA ZILIOLI**

Legal Officer, Legal Services Department,  
European Space Agency (ESA)

**JOANNE GABRYNOWICZ**

Professor Emerita of Space Law,  
Director Emerita, Editor in Chief Emerita  
Journal of Space Law

**MARCO PEDRAZZI**

Full Professor of International Law,  
University of Milan

**MARIA ELENA DE MAESTRI**

Assistant Professor of International Law,  
University of Genoa

**MARIO MARCHESE**

Full Professor, University of Genoa

**MAURIZIO MONGELLI**

Researcher at the Institute of Electronics,  
Computer and Telecommunication  
Engineering (ISTI), Italian National  
Research Council (CNR)

**MICHELE LUGLIO**

Associate Professor,  
University of Rome Tor Vergata

**MICHELE PIANA**

Full Professor, University of Genoa

**PJ BLOUNT**

Research Fellow Cybersecurity  
Governance and Regulation,  
SES University of Luxembourg

**TAYLOR DORIGATTI**

Business Developer, Leaf Space



Dipartimento di Ingegneria Navale, Elettrica,  
Elettronica e delle Telecomunicazioni (DITEN)  
Università degli Studi di Genova