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ISPACE
European Union in Space
MONNET
JLE

25 - 29 JULY 2022

SUMMER SCHOOL

LAW AND TECHNOLOGY

IMPERIA AND VIRTUAL

Manlio Bacco | Patrizia Bagnerini |
Giorgio Boni | Pietro Cassarà |
Ernestina Cianca | Maria Elena De Maestri |
Bianca Federici | Marco Ferrazzani |
Alberto Gotta | Moriba Kemessia Jah |
Andree Kirchner | Manuel Liotta |
Franco Malerba | Mario Marchese |
Andrea Merlo | Fabio Patrone |
Marco Pedrazzi | Claudio Sacchi |
Antonio Salmeri | Lorenzo Schiano di Pepe |
Ilaria Zilioli | Tanja Masson Zwaan

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MONDAY 25 JULY

09.00 - 11.00

Maria Elena De Maestri – Mario Marchese
Opening Session

11.00 - 13.00

Fabio Patrone
How could satellite communications still help us... but in a sustainable way

14.30 - 16.30

Lorenzo Schiano di Pepe, Andree Kirchner
Sustainability and environmental protection in international and EU law

16.30 - 18.30

Marco Pedrazzi
The sustainability of space activities in relation to the environment of the Earth

TUESDAY 26 JULY

09.00 - 10.00

Franco Malerba
Space Economy

10.00 - 11.30

Patrizia Bagnerini
Production of fresh vegetables in space

11.30 - 13:00

Andrea Merlo
Robotics/mechatronics/AI space applications: the design and qualification process of the EXOMARS rover

14.30 - 16.30

Moriba Kemessia Jah
A Case for Space Environmentalism

16.30 - 18.30

Moriba Kemessia Jah
Space environment protection

WEDNESDAY 27 JULY

9.00 - 11.00

Bianca Federici
The satellite contribution to observe the Earth and its phenomena

11.00 - 13.00

Giorgio Boni
The innovation of Earth Observation for flood risk assessment and management

14.30 - 16.30

Antonino Salmeri
Legal & Policy Aspects of Lunar Resource Activities

16.30 - 18.30

WORKSHOP
Lunar Resources Workshop

THURSDAY 28 JULY

09.00 - 11.00

Claudio Sacchi
The Past, the Presence and the Future of Satellite Communications

11.00 - 13.00

Ernestina Cianca
Space Sustainability-by-Design

14.30 - 16.30

Tanja Masson Zwaan
Space law and the protection of the environment

16.30 - 18.30

Manuel Liotta
ESG in the aerospace industry: the view of the financial community

FRIDAY 29 JULY

09.00 - 11.00

Alberto Gotta
Why do we need 6G Non-Terrestrial Infrastructures?

11.00 - 13.00

Manlio Bacco, Pietro Cassarà
The Age of Information in 6G Non-Terrestrial Networks

14.30 - 17.30

Marco Ferrazzani, Ilaria Zilioli
THE ESA Urban Forest Project

17.30 - 18.30

Closing remarks and discussion

MANLIO BACCO

Researcher,
Italian National Research Council - CNR-ISTI

PATRIZIA BAGNERINI

Associate Professor, University of Genoa

GIORGIO BONI

Full Professor, University of Genoa

PIETRO CASSARA'

Researcher,
Italian National Research Council - CNR-ISTI

ERNESTINA CIANCA

Associate Professor,
University of Rome Tor Vergata

MARIA ELENA DE MAESTRI

Assistant Professor, University of Genoa

BIANCA FEDERICI

Associate Professor, University of Genoa

MARCO FERRAZZANI

Head of the Legal Services department,
European Space Agency (ESA)

ALBERTO GOTTA

Senior Researcher,
Italian National Research Council - CNR-ISTI

MORIBA KEMESSIA JAH

Space scientist, Space environmentalist,
Associate Professor, University of Texas

ANDREE KIRCHNER

Full Professor,
University of Applied Sciences in Bremerhaven

MANUEL LIOTTA

Head of ESG & Integrated Reporting,
Leonardo

FRANCO MALERBA

First Italian astronaut

MARIO MARCHESE

Full Professor, University of Genoa

ANDREA MERLO

Head of Robotics & Mechatronics Group,
Thales Alenia Space

FABIO PATRONE

Assistant Professor, University of Genoa

MARCO PEDRAZZI

Full Professor, University of Milan

CLAUDIO SACCHI

Associate Professor, University of Trento

ANTONIO SALMERI

Lawyer and Leader of the Space Exploration Project
Group at the Space Generation Advisory Council

LORENZO SHIANO DI PEPE

Full Professor, University of Genoa

ILARIA ZILIOI

Legal Officer, European Space Agency (ESA)

TANJA MASSON ZWAAN

Assistant Professor and Deputy Director of the
International Institute of Air and Space Law,
University of Leiden



Università
di Genova

DIGI DIPARTIMENTO
DI GIURISPRUDENZA



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