

SPACE POLICY & LAW COURSE 2018 - CPD

15 TO 17 OCTOBER 2018
CHARLES CLORE HOUSE, RUSSELL SQUARE, LONDON

SESSIONS

LIST OF LECTURERS: SEE PAGE 3

MONDAY 15 OCTOBER 2017**1. SPACE ENVIRONMENT AND TECHNOLOGY - 09.30 - 11.00 SM & AS**

- Delimitation of Space and Airspace
- The Space Environment and Space Technology: Orbits, signals, types of spacecraft
- Discussion and questions

BREAK - 11.00 - 11.15

2. THE POLICY REGIME OF SPACE - 11.15 - 12.45 J-JD

- Policy Principles of Space, including Peaceful Use, Cooperation and Non-interference
- Policy development, space policy institutions and organisations
- International and National Institutions, including UN COPUOS - nature and role
- Discussion and questions

LUNCH - 12.45 - 13.45

3. THE LEGAL REGIME - 13.45 - 15.15 SM

- Sources of Space Law including the Outer Space Treaty, other conventions and treaties; a comparison with other legal regimes such as Antarctic, Maritime and Air Law
- International Responsibility and Liability distinguished
- National space laws and policies
- Discussion and questions

BREAK - 15.15 - 15.30

4. THE LAW GOVERNING SPACE APPLICATIONS - 15.30 - 17.00 SM

- Sovereignty, Property Rights
- Remote Sensing: UN Principles and Disaster Charter
- Scientific experiment and exploration
- Manned space activities: The International Space Station: IGA
- Discussion and questions

TUESDAY 16 OCTOBER 2017

5. COMMERCIAL SPACE ACTIVITIES - 09.30 - 11.00

SM & CT

- Nature and range of commercial space ventures
- Relevance and scope of national and EU laws
- Spectrum and Space Licensing and authorisation
- Typical requirements
- Market Access
- Discussion and questions

BREAK - 11.00 - 11.15

6. SATELLITE COMMUNICATIONS - 11.15 - 12.45

YH

- Satellite Telecommunications and Broadcasting: The Role of the ITU
- Orbital Positions, Harmful Interference
- Spectrum management:
Frequency Efficiency and Market Reach (Harmful interference, jamming, unauthorised signal interception, frequency priority, EU and the ITU)
- Discussion and questions

LUNCH - 12.45 - 13.45

7. MILITARY AND OTHER USES OF SPACE - 13.45 - 15.15

MR

- Un-manned space activities (e.g. drone, robotic)
- Military space activities and weaponisation
- Environmental and humanitarian factors
- Discussion and questions

BREAK - 15.15 - 15.30

8. RISK, LIABILITY & INSURANCE CONSIDERATIONS - 15.30 - 17.00

NH & NS

- Laws Governing Liability (Risk & Fault): The Liability Convention
- Liability for Debris and Obligation not to Create
- Active Debris Removal - Remediation vs Mitigation
- Insurance
- Discussion and questions

WEDNESDAY 17 OCTOBER 2017

9. SPACE SECURITY - 09.30 - 11.00

RC

- Space hazards - Man made and natural
- Space Situational Awareness and Traffic Management
- Space Weather, Meteorites, Debris
- Debris Reduction and Elimination Measures
- Transparency and Confidence Building Measures
- Discussion and questions

BREAK - 11.00 - 11.15

10. CURRENT AND FUTURE DEVELOPMENTS - 11.15 - 12.45

RC & NV

- Constellations, Small Satellites
- Focus on Applications
- Spaceflight and Spaceports
- Launch Systems
- Discussion and questions

LUNCH - 12.45 - 13.45

11. CASE STUDIES - 13.45 - 15.15

SM

- Recovery and Return
- Debris (liability, sovereignty, space situational awareness and other concepts)
- Mining (Commercial & State participation, property rights, potential pollution from space, appropriation and the issue of territory vs. resources, and other concepts)
- Active Debris Removal

BREAK - 15.15 - 15.30

12. REVIEW & CONCLUSION - 15.30 - 17.00

SM

- Course Summary, discussion and conclusion

Please return questionnaire & CPD certificate requests at the end of this session.

LECTURERS

RC	Professor Richard Crowther, Chief Engineer, UK Space Agency; ISPL Adviser
J-JD	Professor Jean-Jacques Dordain, CNES; former Director-General of ESA; ISPL Adviser
NH	Nick Hughes, Partner, Holman Fenwick Willan; ISPL Faculty
YH	Yvon Henri, OneWeb; Former Chief, Space Services Department, ITU
SM	Professor Sa'id Mosteshar, Barrister; ISPL Director
MR	Air Commodore (Ret'd) Mark Roberts, International Defence & Security, Adkins
AS	Professor Alan Smith, Director, UCL Space Domain, Mullard Space Science Laboratory
NS	Neil Stevens, Space Insurance Expert; ISPL Faculty
CT	Colin Thomson, Director, Regulatory Engineering, Access Partnership
NV	Professor Nick Veck, Special Advisor to CEO, Satellite Applications Catapult