

**FURTHER READING:****SPACE LAW AND POLICY COURSE**

14 – 16 October 2019

London

Some Fundamental Documents of Space Law

These are some of the source documents of space policy and law discussed during the course. These and the other UN Treaties, Declarations and Legal Principles on Outer Space are available in several languages at the UNOOSA Website.

<http://www.unoosa.org/oosa/en/ourwork/spacelaw/treaties.html>

- Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies (the 'Outer Space Treaty') 1967
- The Convention on International Liability for Damage Caused by Space Objects (the "Liability Convention") 1972
- The Convention on Registration of Objects Launched into Outer Space (the "Registration Convention") 1975
- Agreement Governing the Activities of States on the Moon and Other Celestial Bodies ("The Moon Agreement") 1979
- The Principles Governing the Use by States of Artificial Earth Satellites for International Direct Television Broadcasting 1987
- The Principles Relating to Remote Sensing of the Earth from Outer Space 1986

Regulation of Space Activities

- UK Space Industry Act 2018  
<http://www.legislation.gov.uk/ukpga/2018/5/contents/enacted>
- UK Outer Space Act 1986  
[https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/295760/outer-space-act-1986.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/295760/outer-space-act-1986.pdf)
- Regulation of Space Activity in the United Kingdom, Sa'id Mosteshar, in National Regulation of Space Activities, ed. Ram S Jakhu , Springer Science + Business Media BV, 2010  
[http://www.space-institute.org/app/uploads/1399917015\\_Regulation\\_of\\_Space\\_Activity\\_in\\_the\\_United\\_Kingdom.pdf](http://www.space-institute.org/app/uploads/1399917015_Regulation_of_Space_Activity_in_the_United_Kingdom.pdf)
- US Space Legislation, Title 51 USC  
<http://uscode.house.gov/download/annualhistoricalarchives/pdf/2010/2010usc51.pdf>
- National Space Law Collection  
<http://www.unoosa.org/oosa/en/ourwork/spacelaw/nationalspacelaw/index.html>
- National Space Legislations, ECSL  
[http://www.esa.int/About\\_Us/ECESL\\_European\\_Centre\\_for\\_Space\\_Law/National\\_Space\\_Legislations](http://www.esa.int/About_Us/ECESL_European_Centre_for_Space_Law/National_Space_Legislations)

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## Technical Aspects of Space Activities

- United Kingdom Military Space Primer, Wing Commander Gerry Doyle (including a wealth of technical, legal and military material)  
<https://www.gov.uk/government/publications/the-uk-military-space-primer>
- Space Resources: In Situ Resource Utilization (ISRU)  
<https://isru.nasa.gov/SPACERESOURCES.html>
- It's Only Rocket Science, Lucy Rogers, 2008  
Clearly and simply explained basics of space and orbitology, recommended by an RAF colleague.  
<https://www.springer.com/gb/book/9780387753775>

## Debris

- Space Debris Mitigation Standards, 2016  
<http://www.unoosa.org/oosa/en/ourwork/topics/space-debris/compendium.html>

## Liability

- Commercial Space Transportation: Risk, Liability and Insurance, Pamela L. Meredith, Air Transport, Air & Space Law and Regulation, Abu Dhabi, April 2009  
[https://www.mcgill.ca/iasl/files/iasl/Session\\_7\\_Meredith.pdf](https://www.mcgill.ca/iasl/files/iasl/Session_7_Meredith.pdf)
- An Academic Perspective on Commercial Spaceflight: Liability and Waivers, Sa'id Mosteshar  
[http://www.space-institute.org/app/uploads/1399882859\\_Academic\\_Perspective\\_-\\_ver3.pdf](http://www.space-institute.org/app/uploads/1399882859_Academic_Perspective_-_ver3.pdf)
- International Liability for Damage: Proposed Solutions for the Era of Commercial Space Activity, Sa'id Mosteshar  
[http://www.space-institute.org/app/uploads/1399885565\\_International\\_Liability\\_for\\_Damage\\_ver\\_2000.pdf](http://www.space-institute.org/app/uploads/1399885565_International_Liability_for_Damage_ver_2000.pdf)
- Space Operations: Comparative Liability Limits of Operators, Sa'id Mosteshar:  
[http://www.space-institute.org/app/uploads/1399886265\\_Comparative\\_Liability\\_Table\\_v2.pdf](http://www.space-institute.org/app/uploads/1399886265_Comparative_Liability_Table_v2.pdf)

## Telecommunications & Regulation

The ITU website has much useful material, including the primary documents.

- A brief introduction to the various roles of the ITU  
<http://www.itu.int/en/action/Pages/default.aspx>
- Extra-terrestrial Relays – Can Rocket Stations Give World-Wide Radio Coverage? Arthur C Clarke, Wireless World Oct 1945. This splendid site has a scan of the original article, an OCR version, and other material.  
<http://lakdiva.org/clarke/1945ww/>

## Earth Observation

- ESA: Earth Observation Satellites – Introduction:  
[http://www.esa.int/SPECIALS/Eduspace\\_EN/SEM7YN6SXIG\\_0.html](http://www.esa.int/SPECIALS/Eduspace_EN/SEM7YN6SXIG_0.html)
- Seeing Our Planet Whole: A Cultural and Ethical View of Earth Observation, Harry Eyres, 2017  
<http://www.springer.com/gp/book/9783319406022>
- Use of satellite-derived evidence in courts and tribunals: Evidence from Space, ISPL study for ESA 2009 – 2011  
[http://www.space-institute.org/app/uploads/1342722048\\_Evidence\\_from\\_Space\\_25\\_June\\_2012\\_-\\_No\\_Cover\\_zip.pdf](http://www.space-institute.org/app/uploads/1342722048_Evidence_from_Space_25_June_2012_-_No_Cover_zip.pdf)

## Manned Activities in Space

- Overview of the IGA Agreement for the International Space Station: Diane St-Arnaud, Andre Farand, Motoko Uchitomi, Robin J Frank and Igor Porokhin for Roscosmos  
<http://www.oosa.unvienna.org/pdf/pres/lsc2013/tech-05E.pdf>
- The Legal Framework for the ISS  
[http://www.esa.int/Our\\_Activities/Human\\_Spaceflight/International\\_Space\\_Station/International\\_Space\\_Station\\_legal\\_framework](http://www.esa.int/Our_Activities/Human_Spaceflight/International_Space_Station/International_Space_Station_legal_framework)

## Commercial activity and related topics (see also Liability above)

- Research and Invention in Outer Space, ed. Sa'id Mosteshar, Brill/Nijhoff, 1995  
<http://www.brill.com/research-and-invention-outer-space>
- No Bucks, No Buck Rogers: The Business of Commercial Space, Derek Webber, Curtis Press, 2017  
<http://www.curtis-press.com/product/no-bucks-no-buck-rogers/>  
FAQs about space tourism and exploration  
<http://www.spaceportassociates.com/faq.html>
- Small Satellites: Regulatory Challenges and Chances, ed. Ingrid Marboe, Brill/Nijhoff, 2016  
<https://brill.com/view/title/32836?lang=en>

## Military Space

- Space Law and Weapons in Space, Sa'id Mosteshar, 2019  
<https://oxfordre.com/planetaryscience/view/10.1093/acrefore/9780190647926.001.0001/acrefore-9780190647926-e-74>

## Space Policy

- US Space Policy 2010  
<http://www.space.commerce.gov/policy/national-space-policy/>  
[https://obamawhitehouse.archives.gov/sites/default/files/national\\_space\\_policy\\_6-28-10.pdf](https://obamawhitehouse.archives.gov/sites/default/files/national_space_policy_6-28-10.pdf)
- See also the Presidential Order Reviving the National Space Council, June 2017  
<https://www.whitehouse.gov/the-press-office/2017/06/30/presidential-executive-order-reviving-national-space-council>
- UK National Space Security Policy, 2014 and UK National Space Policy, 2015  
<https://www.gov.uk/government/publications/national-space-security-policy>  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/484865/NSP\\_-\\_Final.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/484865/NSP_-_Final.pdf)
- EU Space Policy  
[http://ec.europa.eu/growth/sectors/space\\_en](http://ec.europa.eu/growth/sectors/space_en)
- Space Strategy for Europe 2016  
<http://ec.europa.eu/docsroom/documents/19442>
- Space Policies, Issues and Trends 2015-16, ESPI Report 61, November 2016: Cenan Al-Ekabi:  
[http://www.espi.or.at/images/Reports/Rep61\\_online\\_161128\\_1459.pdf](http://www.espi.or.at/images/Reports/Rep61_online_161128_1459.pdf)
- Security: Space Crisis Management: Europe's Response, Jana Robinson, ESPI, 2013:  
[http://www.espi.or.at/images/stories/dokumente/studies/ESPI\\_Report\\_44.pdf](http://www.espi.or.at/images/stories/dokumente/studies/ESPI_Report_44.pdf)
- Space Supporting Sustainable Development Goals  
<http://www.unoosa.org/oosa/en/ourwork/space4sdgs/index.html>
- Crowded Orbits: Conflict and Cooperation in Space, James Clay Moltz, 2014  
Recommended by an RAF colleague as a really good strategic geo-political/policy background.  
<https://cup.columbia.edu/book/crowded-orbits/9780231159128>

## Space Environment Protection

- NASA Office of Planetary Protection site, with links to other country sites  
<https://planetaryprotection.nasa.gov/overview>  
<http://planetaryprotection.nasa.gov/intpolicy/>
- ECSL: Protection of the Space Environment  
[http://www.esa.int/About\\_Us/ECSL\\_European\\_Centre\\_for\\_Space\\_Law/Protection\\_of\\_the\\_Space\\_Environment](http://www.esa.int/About_Us/ECSL_European_Centre_for_Space_Law/Protection_of_the_Space_Environment)
- Committee on Space Research: COSPAR Planetary Protection Policy  
<https://cosparhq.cnes.fr/sites/default/files/pppolicy.pdf>

*Your suggestions of other reading material are most welcome. Please also feel free to let me know about broken links or other errors you might encounter.*

*Ray*

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