

CURRICULUM VITAE

(Extended Version)

Personal data

Surname: Von der Dunk
First names: Frans Gerhard
Date of birth: 6 January 1959
Place of birth: Bilthoven (The Netherlands)
Sex: Male
Civil state: Married (three sons)
Nationality: Dutch
Private address: Witte Singel 85, 2311 BP, Leiden
The Netherlands
Telephone: +31-(0)71-512.74.93
E-mail: vddunk@planet.nl
Academic address: College of Law, University of Nebraska-Lincoln
214 McCollum Hall
Lincoln, NE 68583-0902
United States of America
Telephone: +1-402-472-1240
Fax: +1-402-472-5185
E-mail: fvonderdunk2@unl.edu
Website: <http://law.unl.edu/frans-von-der-dunk/>
Commercial address: Black Holes B.V.
Witte Singel 85, 2311 BP, Leiden
The Netherlands
Mobile: +31-(0)6-48.46.03.18
E-mail: frans@black-holes.eu
Website: <http://www.black-holes.eu/>

Education

University: University of Leiden, The Netherlands.
Responsions in History (additional courses: West-European Expansion, Theory of International Relations): October 1981.
Doctoral in Modern History (additional courses: Economy, History of Political Theories, International Law): July 1986.
Courses International Institutional Law, European Community Law and Human Rights Law, Fall 1986.
Doctorate International Space Law, September 1998.

Languages: Dutch, English and German fluently; French reasonably well; bits of Italian and Spanish.

IT: MS-DOS/WordPerfect & Windows and Apple Macintosh systems.

Profession

Assistant Professor, Department of Public International Law, Faculty of Law, University of Leiden, February 1987-December 1999.
Associate Professor, Department of Public Law, Faculty of Law, University of Leiden, January 2000-December 2007.
Co-Director, International Institute of Air and Space Law, Faculty of Law, University of Leiden, September 1990-July 2004.
Academic Co-ordinator, LLM Programme in International Air and Space Law, Faculty of Law, Leiden University, September 2000-December 2002.
Director, Space Law Research, International Institute of Air and Space Law, Faculty of Law, University of Leiden, July 2004-June 2007.
Director, Black Holes B.V., Leiden, July 2007- .
Professor of Space Law, College of Law, University of Nebraska-Lincoln, January 2008- .
Associate Professor of Research, Faculty of Law and Administration, Lazarski University, Warsaw, February 2020-December 2022.

Honours and distinctions

Honourable Mention, Space Essay Contest, World Bar Association, Englewood (Colorado), May 1995.
Distinguished Service Award of the International Institute of Space Law (IISL) of the International Astronautical Federation (IAF), Vancouver, October 2004.
Honorary Professor, Gujarat National Law University, Gandhinagar, 2004- .
Social Science Award of the International Academy of Astronautics (IAA), Valencia, October 2006.
Harvey and Susan Perlman Alumni / Othmer Chair of Space Law, Lincoln, 2008- .
Social Science Book Award, International Academy of Astronautics (IAA), for the *Handbook of Space Law*, Jerusalem, October 2015.

Doctorate supervisions

T.C. Brisibe, International Law and Regulations of Aeronautical Public Correspondence by Satellite, defended Leiden, November 2006.
G.M. Goh, Dispute Settlement in International Space Law – A Multi-Door Courthouse for Outer Space, defended Leiden, April 2007.
F. Tronchetti, The Exploitation of Natural Resources of the Moon and other Celestial Bodies: a Proposal for a Legal Regime, defended Leiden, December 2008.
A. Voronina, The How's and Why's of International Cooperation in Outer Space – International Legal Forms of Cooperation of States in Exploration and Use of Outer Space, defended Lincoln, May 2016.
T. Gangale, The Definition and Delimitation of Outer Space and Territorial Airspace in International Law, defended Lincoln, May 2017.
M.V. Carminati, The Creation and Mitigation of Operator Liability, under U.S. Law, for Claims by Crew and Spaceflight Participants, defended Lincoln, May 2018.
M. Carns, Has Nation-State Practice in Prevention and Mitigation of Space Debris Become so Consistent to Form Customary International Law?, defended Lincoln, February 2022.

Y.S. Ahn, National Space Legislation and Policy in the Republic of Korea: An Analysis of the Current Situation and Suggestions for the Future Legal Regime, defended Lincoln, May 2023.

Served on Doctorate Committees in the Netherlands, Spain, Luxembourg, France and the United States.

Special highlights

Guest, TV show ‘*Pauw & Witteman*’, 12 December 2013, on Chinese unmanned moon landing (<http://programma.vara.nl/pauwenwitteman/media/305746>).

Signatory of the ‘100x Asteroid Declaration’, 3 December 2014 (<http://asteroidday.org/signatories-list/>).

Anchor, TV show ‘*Race naar de Ruimte*’ [‘Race to Space’], ‘Tegenlicht’, 6 December 2015, on asteroid mining (http://embed.vpro.nl/popout/?id=VPWON_1232898&profile=tegenlicht&paused=0&volume=0.9&muted=0&streaming=0¤ttime=6.13132222222214).

Presenter, PINC.Sarasota 2015, Sarasota, 10 December 2015, ‘The Sky is the Limit – Commercial spaceflight and the law’ (<https://mediahub.unl.edu/media/5135>).

Presenter, PINC.17, Zeist, 10 May 2016, ‘Who owns the Moon?’ – Space Law and the Billion Dollar Question’ (<https://mediahub.unl.edu/media/5661>).

Presenter, TEDxVienna, Vienna, 22 October 2016, ‘Fly me to the Moon? Space Tourism and the Law’ (<https://www.youtube.com/watch?v=nhimQHsTo0s>).

Guest, TV marathon on Asteroid Day, 30 June 2017, RTL Luxembourg (<https://www.youtube.com/watch?list=PLzbX4PGfSjCEal1QhAlujMZq1pSWM66lo&v=c7qaqYqyFAM>); (<https://www.youtube.com/watch?list=PLzbX4PGfSjCEal1QhAlujMZq1pSWM66lo&v=GCsHnMulCOk>); (<https://www.youtube.com/watch?list=PLzbX4PGfSjCEal1QhAlujMZq1pSWM66lo&v=tXRbqBMVmP8>).

Guest, TV panel, Roundtable, 5 September 2018, TRT World Media, on Space commercialization (<https://www.youtube.com/watch?v=YW79BFfzwxc&t=1s>) and Space militarization (<https://www.youtube.com/watch?v=6Gxhe3yZobc>).

Author ‘Who owns the Moon? A space lawyer answers’ on The Conversation, 20 July 2019 (<https://theconversation.com/who-owns-the-moon-a-space-lawyer-answers-99974>), with some 500,000 reads (as per April 2021).

Guest, ‘*De wilde ruimte*’ [‘Wild space’], Episode 6, ‘*De nieuwe wereld*’ [‘The new world’], 19 April 2019.

Guest, TV marathon on Asteroid Day, 28 June 2019, RTL Luxembourg (<https://www.youtube.com/watch?v=6DAVK0Ejk8g&list=PLzbX4PGfSjCEasaEeO43JOHcmVBLD5wvh&index=11&t=0s>).

Keynote ‘International Law and the Military Use of Outer Space’, Inaugural United States Space Command Legal Conference, US Air Force Academy & US Space Command, 8 April 2021 [via Zoom] – *most attended and visited talk of the conference*.

Cleveringa Lecture ‘Freedom, Outer Space, and the Role of the Law’, together with Professor Marco Beijersbergen, University of Leiden, 25 November 2021.

Publications

Books

- Private Enterprise and Public Interest in the European 'Spacescape' – Towards Harmonized National Space Legislation for Private Space Activities in Europe* (1998), Dissertation, xv + 311 + XCII pp.
- The International Space Station – Commercial Utilisation from a European Legal Perspective* (Ed. with M.M.T.A. Brus)(2006), xxix + 267 pp.
- National Space Legislation in Europe – Issues of Authorisation of Private Space Activities in the Light of Developments in European Space Cooperation* (Ed.)(2011), xxxii + 379 pp.
- Space Law, Oxford Bibliographies Online* (Ed. Tony Carty), (2012), <http://www.oxfordbibliographies.com/view/document/obo-9780199796953/obo-9780199796953-0041.xml?rskey=RKRKu2&result=107>.
- Handbook of Space Law* (Ed.)(2015), xxxvi + 1100 pp.
- International Space Law* (Ed.)(2018), xxi + 829 pp.
- Advanced Introduction to Space Law* (2020), ix + 144 pp.
- Chinese translation *Handbook of Space Law* (2021), 2 vols.
- National Space Law in Poland* (Ed. with A. Konert)(2023), xii + 321 pp.

Articles & book chapters

- “De Prins weergekeerd onder Professoren” [The Prince Returned Amongst Professors], 150 *De Gids* (1987), 536-54.
- “Het ‘Diplomatieke Recht’ en de Weense Conventie van 1961” [‘Diplomatic Law’ and the Vienna Convention of 1961], 13-4 *Jason* (1988), 6-12.
- “Israël en/of Palestina: Een Broederstrijd in Vogelvlucht” [Israel and/or Palestine: A Fraternal Fight in a Nutshell], in *Telders’ Study Trip ‘89* (Telders)(1989), 61-80.
- “ESA and EC: Two Captains on One Spaceship?”, in *Proceedings of the Thirty-Second Colloquium on the Law of Outer Space* (AIAA)(1990), 426-35.
- “Challenges and Opportunities: The European Communities and the Conference on Security and Cooperation in Europe”, 3 *Leiden Journal of International Law* (1990), 247-57.
- “The Swedish and British Space Acts and Private Commercial Enterprise under Public International Law”, *Memoria, Conferencia Espacial de las Americas* (1991), 336-42.
- “Law and Practice – European National Space Agencies under International Space Law”, in *Proceedings of the Thirty-Third Colloquium on the Law of Outer Space* (AIAA)(1991), 370-4.
- “The Unification of Germany and International Law”, 12 *Michigan Journal of International Law* (1991), 510-57 (Co-author: P.H. Kooijmans).
- “The spider in the web and the rainproof umbrella - The two-tiered approach to a national legal framework for private space activities and a German example”, 16 *Revista del Centro de Investigacion y Difusion Aeronautico-Espacial* (1991), 27-43.
- “Liability versus Responsibility in Space Law: Misconception or Misconstruction?”, in *Proceedings of the Thirty-Fourth Colloquium on the Law of Outer Space* (AIAA)(1992), 363-71.
- “Jus Cogens Sive Lex Ferenda” [*Jus Cogens* as *Lex Ferenda*], in *Air and Space Law: De Lege Ferenda*, Essays in honour of Henri A. Wassenbergh (Eds. T.L. Masson-Zwaan *et al.*)(1992), 219-39.
- “Legal aspects of the international space station - Genuine partnership or no genuine partnership: what is the question?”, in *The Highways of Air and Outer Space Over Asia* (Eds. C.J. Cheng & P.M. Mendes de Leon)(1992), 109-20.

(Publications-ctd)

- “Pandora’s Box? The Basic Legal Framework for Doing Business with a Space Station: An Inventory of Problems”, in *Legal Aspects of Space Commercialization* (1992)(Ed. K. Tatsuzawa), 114-38.
- “The Minsk Space Agreement: A ‘Commonwealth In Space’?”, 20 *Journal of Space Law* (1992), 179-89.
- Japanese translation of excerpts of “Pandora’s Box? The Basic Legal Framework for Doing Business with a Space Station: An Inventory of Problems” (see *supra*), 3-5 *Space* (1992), 18-26.
- “Towards A European Space Agency, Mark II? The Space Program of the Former Soviet Union and the Commonwealth of Independent States”, in *Proceedings of the Thirty-Fifth Colloquium on the Law of Outer Space* (AIAA)(1993), 172-82.
- “Air Transport Policy of the EC Internal Market and Its Policy towards Asia – The European Equation: Liberalization = Increasing Regulation”, in *Europe Beyond 1992* (Ed. C.K. Tzou)(1993), 288-308.
- “The Tale of the Spider and the Umbrella – Non-European National Space Laws and National Space Agencies”, in *Basic Materials ECSL Space Law and Policy Summer Course* (ECSL)(1993), 141-9.
- “The Illogical Link: Launching, Liability and Leasing”, in *Proceedings of the Thirty-Sixth Colloquium on the Law of Outer Space* (AIAA)(1994), 349-59.
- “Satellite Communications in the European Community: the Tide is Changing Wave by Wave”, in *Issues in International Air and Space Law, and in Commercial Law, Essays in Commemoration of Prof. Dr. Doo Hwan Kim’s 60th Birthday* (Eds. C. Cheng, C.J. Cheng & T.H. Kim)(1994), 317-54.
- “Launching Activities and the Creation of Domestic Space Law: the Example of US Launching Regulations”, in *Basic Materials ECSL Space Law and Policy Summer Course* (ECSL)(1995), 245-55.
- “Loopholes in Liability? Aspects of Liability for Damage Sustained in the Course of Satellite Telecommunications Activities”, 2 *Telecommunications & Space Journal* (1995), 153-74.
- “Commercial Space Activities: An Inventory of Liability – An Inventory of Problems”, in *Proceedings of the Thirty-Seventh Colloquium on the Law of Outer Space* (AIAA)(1995), 161-71.
- “South Africa in Space: the New Space Affairs Act of 1993”, 23 *Journal of Space Law* (1995), 195-7.
- “The role of law with respect to future space activities”, 12 *Space Policy* (1996), 5-8.
- Japanese translation of “Two Revolutions In One – The Legal Framework For ‘Space Teleinformatics’” (see *infra*), in Japanese version of *The Law of International Relations* (1996), 535-62.
- “Two New National Space Laws: Russia and South Africa”, in *Proceedings of the Thirty-Eighth Colloquium on the Law of Outer Space* (AIAA)(1996), 251-61.
- “Space for Space Law? Spatialism and Functionalism Revisited”, in *Perspectives of Air Law, Space Law, and International Business Law for the Next Century* (Ed. K.H. Böckstiegel)(1996), 63-71.
- “The Undeniably Necessary Cradle – Out of Principle and Ultimately Out of Sense”, in *Outlook on Space Law over the Next 30 Years, Essays published for the 30th Anniversary of the Outer Space Treaty* (Ed. G. Lafferranderie)(1997), 401-14.
- “Two Revolutions in One – The Legal Framework for ‘Space Teleinformatics’”, in *The Law of International Relations* (Ed. K. Tatsuzawa)(1997), 547-75.

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- “The Dark Side of the Moon – The Status of the Moon: Public Concepts and Private Enterprise”, in *Proceedings of the Fortieth Colloquium on the Law of Outer Space* (AIAA)(1998), 119-24 (NB.: 11 pp. – misnumbering).
- “Future Developments Relating to Outer Space Treaties”, in *Proceedings of the Fortieth Colloquium on the Law of Outer Space* (AIAA)(1998), 449-53.
- “Preliminary Parameters for GNSS: An Overview of the Legal and Institutional Aspects of Global Navigation Satellite Systems”, 2 *Space Forum* (1998), 213-36.
- “The Delimitation of Outer Space Revisited – The Role of National Space Laws in the Delimitation Issue”, in *Proceedings of the Forty-First Colloquium on the Law of Outer Space* (AIAA)(1999), 254-64.
- “The 1972 Liability Convention – Enhancing Adherence and Effective Application”, in *Proceedings of the Forty-First Colloquium on the Law of Outer Space* (AIAA)(1999), 366-73.
- “International Organisations as Creators of Space Law – A Few General Remarks”, in *International Organisations and Space Law* (ESA)(1999), 335-43.
- “Het ruimterecht wordt steeds aardser”[Space law increasingly comes down to earth], 27-7 *Trias* (1999), 2-4.
- “The EOPOLE Project: Towards Coherent Earth Observation Data Policies in Europe”, 20 *ECSL News* (Dec. 1999), 5-7.
- “Public Space Law and Private Enterprise – The Fitness of International Space Law Instruments for Private Space Activities”, in *Legal Framework for Privatising Space Activities, Proceedings of the Project 2001 Workshop on Legal Issues of Privatising Space Activities* (Ed. S. Reif)(1999), 12-39.
- “The Bigger Picture: Public International Law and the Future of GNSS”, 3-1 *Outer Space, Newsletter of Committee Z of the IBA Section on Business Law* (2000), 11-6.
- “The Australian Space Activities Act of 1998”, 21 *ECSL News* (Apr. 2000), 2.
- “De maan komt naar U toe, deze zomer... maar wat mag U er mee doen?” [The moon will come to you, this summer... but what are you allowed to do with it?], 4-2 *Leonardo Times* (June 2000), 28-30.
- “Earth Observation and Data Policy in Europe: The Legal Issues – The EOPOLE Concerted Action Project”, in *Proceedings of the Forty-Second Colloquium on the Law of Outer Space* (AIAA)(2000), 373-82.
- “Regional Economic Integration in Space Communications – The Case of EUTELSAT in Europe”, in *Temas de Aviacion Comercial y Derecho Aeronautico y Espacial IV* (ALADA)(2000), 107-18.
- “International obligations for national space law – an inventory”, in *Needs and Prospects for National Space Legislation, Proceedings of the Project 2001 Workshop on National Space Legislation* (Eds. M. Gerhard & S. Reif)(2001), 17-24.
- “Plans for national space legislation in the Netherlands”, in *Needs and Prospects for National Space Legislation, Proceedings of the Project 2001 Workshop on National Space Legislation* (Eds. M. Gerhard & S. Reif)(2001), 111-5.
- “Launching from “Down Under”: The New Australian Space Activities Act of 1998”, in *Proceedings of the Forty-Third Colloquium on the Law of Outer Space* (AIAA)(2001), 132-41.
- “The European Equation: GNSS = Multimodality + Liability”, in *Air and Space Law in the 21st Century, Liber Amicorum for Karl-Heinz Böckstiegel* (Eds. M. Benkö & W. Kroll)(2001), 231-46.

(Publications-ctd)

- “Sovereignty versus Space – Public Law and Private Launch in the Asian Context”, 5-1 *Singapore Journal of International & Comparative Law* (2001), 22-47.
- “Space for celestial symphonies? Towards the establishment of international radio quiet zones”, 17 *Space Policy* (2001), 265-74.
- “Space Debris and the Law”, in *Proceedings of the Third European Conference on Space Debris* (ESA)(2001), 863-8.
- “Report on Relevant Work of the International Institute of Space Law (IISL)”, in *Project 2001 – Legal Framework for the Commercial Use of Outer Space* (Ed. K.H. Böckstiegel)(2001), 35-6.
- “The Legal Basis for National Space Legislation – With Special Reference to the Old/New Norwegian Act on Launching Objects from Norwegian Territory into Outer Space”, in *Project 2001 – Legal Framework for the Commercial Use of Outer Space* (Ed. K.H. Böckstiegel)(2001), 575-8.
- “Ukrainian national space law from an international perspective”, 18 *Space Policy* (2002), 15-23 (Co-author: S.A. Negoda).
- “Vikings First in National Space Law: Other Europeans to Follow – The Continuing Story Of National Implementation Of International Responsibility And Liability”, in *Proceedings of the Forty-Fourth Colloquium on the Law of Outer Space* (AIAA)(2002), 111-21 (Co-author: A. Nikolaisen).
- “Space for Dispute Settlement Mechanisms – Dispute Resolution Mechanisms for Space?”, in *Proceedings of the Forty-Fourth Colloquium on the Law of Outer Space* (AIAA)(2002), 442-52.
- “Sovereignty and Space: When and Where Shall the Twain Meet?”, in *State, Sovereignty and International Governance, Liber Amicorum for Peter Kooijmans* (Eds. G. Kreijen et al.)(2002), 463-81.
- “Liability for Satellite Navigation: A Nightmare or a Lawyer’s Paradise?”, on CD-ROM: ENS-GNSS 2002 Proceedings (2002), 6 pp.
- “Earth observation data policy in Europe – an inventory of legal aspects and legal issues”, in *Earth Observation Data Policy and Europe* (Ed. R. Harris)(2002), 19-28.
- “United Nations Principles on Remote Sensing and the User”, in *Earth Observation Data Policy and Europe* (Ed. R. Harris)(2002), 29-40.
- “Non-discriminatory data dissemination in practice”, in *Earth Observation Data Policy and Europe* (Ed. R. Harris)(2002), 41-50.
- “Intellectual property rights as a policy tool for earth observation data in Europe”, *Earth Observation Data Policy and Europe* (Ed. R. Harris)(2002), 51-9.
- “Launching Alcantara into the global space economy – The 2001 Brazilian national space law”, in *Proceedings of the Forty-Fifth Colloquium on the Law of Outer Space* (AIAA)(2003), 310-20.
- “Towards one captain on the European spaceship – Why the EU should join ESA”, 19 *Space Policy* (2003), 83-6.
- “Of Co-operation and Competition: GALILEO as a Subject of European Law”, in *Legal Aspects of the Future Institutional Relationship between the European Union and the European Space Agency* (Eds. S. Hobe, B. Schmidt-Tedd & K.U. Schrogl)(2003), 47-64.
- “Working Towards A Liability Regime For GNSS”, on CD-ROM: GNSS 2003, The European Navigation Conference (2003), 12 pp. (Co-author with C. Foster).
- “‘GALILEO Inside’ – Legal aspects of offering service guarantees in the context of LBS”, on CD-ROM: GNSS 2003, The European Navigation Conference (2003), 8 pp. (Co-author: C. Foster).

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- “What Goes Up... – Improvements to Space Object Registration and Other Possible Legal Tools”, on CD-ROM: Europe and Space Debris (2003), 9 pp.
- “Launching Alcantara into the global space economy – The 2001 Brazilian national space law”, 86 *Revista Brasileira de Direito Aeroespacial* (June 2003), 23-9.
- “Galileo and Liability: Towards a Coherent System?”, 5-2 *International Bar Association Committee Z News* (2003), 5-13.
- “To Outer Space via Rome”, 6-1 *International Bar Association Newsletter Outer Space* (2004), 20-7.
- “National Space Legislation: Dealing with Private Space Activities”, in *Proceedings of the International Symposium on Advancement of Aerospace Education and Collaborative Research in the 21st Century* (Hankuk University)(2004), 371-87.
- “*Quis vadit cum vobis, Galileo?* – Institutional Aspects Of Europe’s Own Satellite Navigation System”, in *Proceedings of the Forty-Sixth Colloquium on the Law of Outer Space* (AIAA)(2004), 360-70.
- “The Registration Convention: Background and Historical Context”, in *Proceedings of the Forty-Sixth Colloquium on the Law of Outer Space* (AIAA)(2004), 450-3.
- “Recent Developments and Status of National Space Legislation”, in *Towards a Harmonised Approach for National Space Legislation in Europe* (Eds. S. Hobe, B. Schmidt-Tedd & K.U. Schrogl)(2004), 61-70.
- “Towards a European Union Radio Navigation Plan: Overview and Status”, on CD-ROM: The European Navigation Conference GNSS 2004 (2004), 9 pp. (Co-authors: S. Basker *et al*).
- “Liability for Global Navigation Satellite Services: A Comparative Analysis of GPS and Galileo”, 30 *Journal of Space Law* (2004), 129-67.
- “Surreal estate: addressing the issue of ‘Immovable Property Rights on the Moon’”, 20 *Space Policy* (2004), 149-56 (Co-authors: E. Back-Impallomeni, S. Hobe & R.M. Ramirez de Arellano).
- “Heeding the Public-Private Paradigm: Overview of National Space Legislation around the World”, in *2004 Space Law Conference Papers Assembled* (China Institute of Space Law)(2004), 20-34.
- “National Space Legislation: Dealing with Private Space Activities”, 19-2 *The Korean Journal of Air and Space Law* (2004), 221-46.
- “I believe that space activities are impacting society through...”, in *The Impact of Space Activities upon Society* (ESA)(2005), 73.
- “Big Brother or Eye in the Sky? Legal Aspects of Space-Based Geo-Information for Disaster Management”, in *Geo-information for Disaster Management* (Eds. P. van Oosterom, S. Zlatanova & E. Fendel)(2005), 35-50.
- “European Space Law and Policies”, on CD-ROM: Remote Sensing Arabia (2005), 10 pp.
- “To Own Or Not To Own, That Is The Question”, 3-2 *European Journal of Navigation* (2005), 46-55.
- “Satellietinzet voor rampenmanagement – Big brother of eye in the sky?” [Using satellites for disaster management – Big brother or eye in the sky?], 13-4 *VI Matrix* (2005), 26-7.
- “Eyes in the Sky or Big Brother – Legal Aspects of Geospatial Data-gathering in Space”, in 19-8 *GIM International* (2005), 69-71.
- “Bringing Space Law into the Commercial World: Property Rights without Sovereignty”, 6 *Chicago Journal of International Law* (2005), 81-99 (Co-author: H.R. Hertzfeld).
- “Implementing the United Nations Outer Space Treaties – The Case of the Netherlands”, in *Proceedings of the Forty-Seventh Colloquium on the Law of Outer Space* (AIAA)(2005), 139-45.

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- “Galileo: an update on general developments and some legal issues”, in *The International Conference on the 21st Century New International Air and Space Legal Order* (Hankuk University)(2005), 131-9.
- “Current and Future Development of National Space Law and Policy”, in *Disseminating and Developing International and National Space Law: The Latin America and Caribbean Perspective* (UNOOSA)(2005), 25-51.
- “The Changing Paradigm for Space Activities – Space Law Comes Down to Earth”, *Journaal Luchtrecht, Liber Amicorum for Isabella Diederiks-Verschoor* (2005), 109-18.
- “National Space Legislation: What Could the European Approach Be?”, in *Proceedings of the 14th ECSL Summer Course on Space Law and Policy* (ECSL)(2006), 25-34.
- “Towards Monitoring Galileo: the European GNSS Supervisory Authority *in statu nascendi*”, 55 *Zeitschrift für Luft- und Weltraumrecht* (2006), 100-17.
- “Perspectives for a Harmonised Industrial Policy of ESA and the European Union”, in ‘*Project 2001 Plus*’ – *Global and European Challenges for Air and Space law at the Edge of the 21st Century* (Ed. S. Hobe)(2006), 175-91.
- “Reach for the Stars ... as long as Lawfully! Legal aspects of Planetary Exploration”, in *Proceedings of ISRO-IISL Space Law Conference “Bringing Space Benefits to the Asian Region”* (Eds. V. Gopalakrishnan & R. Lochan)(2006), P5-P21.
- “A European Legal Regime for Commercial Utilisation of the International Space Station?”, in *The International Space Station – Commercial Utilisation From A European Legal Perspective* (Eds. G.G. von der Dunk & M.M.T.A. Brus)(2006), 1-8 (Co-author: M.M.T.A. Brus).
- “The International Legal Framework for European Activities on Board the ISS”, in *The International Space Station – Commercial Utilisation From A European Legal Perspective* (Eds. G.G. von der Dunk & M.M.T.A. Brus)(2006), 15-32.
- “The Sky is the Limit – But Where Does It End?”, in *Proceedings of the Forty-Eighth Colloquium on the Law of Outer Space* (AIAA)(2006), 84-94.
- “Van wie is de maan?” / “Who owns the Moon?”, in *Fly me to the Moon* (2006), 31-46 / 147-60.
- “Fundamental Provisions for National Space Laws”, in *Meeting international responsibilities and addressing domestic needs* (UNOOSA)(2006), 91-9.
- “The Moon Agreement and the Prospect of Commercial Exploitation of Lunar Resources”, 32 *Annals of Air and Space Law* (2007), 91-113.
- “Navigating Safely through the 21st Century: ICAO and the Use of GNSS in Civil Aviation”, 47 *Indian Journal of International Law* (2007), 1-29.
- “Ruimtepuin en ruimterecht” [Space debris and space law], 5-07 *Justitiële Verkenningen* (2007), 85-94.
- “Space for Tourism? Legal Aspects of Private Spaceflight for Tourist Purposes”, in *Proceedings of the Forty-Ninth Colloquium on the Law of Outer Space* (AIAA)(2007), 18-28.
- “Target Practising in a Global Commons: The Chinese ASAT Test and Outer Space Law”, 10 *The Korean Journal of Air and Space Law* (2007), 181-99.
- “Liability for Global Navigation Satellite Services: A Comparative Analysis of GPS and Galileo”, in *Library of Essays in International Law – Space Law* (Eds. F. Lyall & P.B. Larsen)(2007), 429-67.
- “Passing the Buck to Rogers: International Liability Issues in Private Spaceflight”, 86 *Nebraska Law Review* (2007), 400-38.
- “The ‘S’ of ‘Security’: Europe on the Road to GMES”, 4-2 *Soochow Law Journal* (2007), 1-27.

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- “Legal aspects of using space-derived geospatial information for emergency response, with particular reference to the Charter on Space and Major Disasters”, in *Geospatial Information Technology for Emergency Response* (Eds. S. Zlatanova & J. Li)(2008), 21-40.
- “EGNOS: Testing the Waters for Galileo – Certifying Europe’s first satellite navigation services”, *7 Journaal LuchtRecht* (2008), 75-84.
- “Hosting Galileo Ground Stations – Liability and Responsibility Issues under Space Law”, in *Proceedings of the Fiftieth Colloquium on the Law of Outer Space* (AIAA)(2008), 358-68.
- “Implementing the United Nations Outer Space Treaties – The Case of the Netherlands”, in *Nationales Weltraumrecht / National Space Law* (Eds. C. Brünner & E. Walter)(2008), 81-104.
- “As Space Law Comes to Nebraska, Space Comes Down to Earth”, *87 Nebraska Law Review* (2008), 498-515.
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Numerous book reviews, conference reports, forewords, published lecture notes and project reports.

Presentations, chairmanships and guest lectures

Presentations and chairmanships at international conferences, workshops and seminars: Malaga (1989); San José de Costa Rica (1990); Dresden (1990); Taipei (1991); Montreal (1991); Paris (1991); Washington (1992); Taipei (1992); Leiden (1992); Noordwijk (1993); Graz (1993); Bangkok (1994); Leiden (1994) (2x); Jerusalem (1994); Cologne (1995); Oslo (1995); Vilnius (1995); Leiden (1995); Noordwijk (1995); Amsterdam (1996) (2x); New Delhi (1996); Leiden (1996); Rome (1997); Vienna (1997); Buenos Aires (1997); Leiden (1997); Turin (1997); Moscow (1997) (2x); Leiden (1998) (2x); Brussels (1998) (2x); Melbourne (1998); Maastricht (1998); Maastricht (1999); Perugia (1999); Cosenza (1999); Vienna (1999) (2x); Enschede (1999); Leiden (1999) (3x); Amsterdam (1999); Oegstgeest (1999); Shanghai (1999); Geneva (2000); Berlin (2000); Moscow (2000); Brussels (2000); Amsterdam (2000) (2x); Ljubljana (2000); Rio de Janeiro (2000); Leiden (2000); Munich (2000) (2x); Singapore (2001); Darmstadt (2001); Vienna (2001); Cologne (2001) (2x); Toulouse (2001); Cancun (2001); London (2001); Nice (2001); New Delhi (2002); Copenhagen (2002); Rotterdam (2002); Utrecht (2002); New York (2002); Houston (2002); The Hague (2002) (3x); Toulouse (2002); Brussels (2002); Leiden (2003); Paris (2003) (2x); Vienna (2003) (2x); Graz (2003); Macerata (2003); Bremen (2003); Daejeon (2003); Seosan City (2003); Berlin (2004); Paris (2004) (2x); Leiden (2004) (2x); Beijing (2004) (2x); Seoul (2004); Vancouver (2004) (3x); Rio de Janeiro (2004) (4x); Brussels (2005); Paris (2005); Delft (2005) (2x); Riyadh (2005); Cologne (2005); Bangalore (2005); Fukuoka (2005); Hanoi (2005); Seoul (2005); Abuja (2005) (5x); Paris (2006) (3x); Graz (2006); Brunswick (2006); Lisbon (2006); Montreal (2006); Noordwijk (2006) (2x); Brussels (2006); Valencia (2006) (4x); Amsterdam (2006); Kyiv (2006); Oxford (USA) (2007) [by phone]; Lincoln (2007) (2x); Washington (2007); Genoa (2007); Noordwijk (2007) (3x); Paris (2007) (3x); Strasbourg (2007); Berlin (2007); Hyderabad (2007) (4x); Vienna (2007) (2x); Teheran (2007); Vienna (2008) (2x); Cologne (2008); Lincoln (2008); Leiden (2008); Los Angeles (2008); Glasgow (2008); Omaha (2008); Washington (2008) (2x); Paris (2008) (2x); Lincoln (2009) (3x); Granada (2009); Paris (2009); Woods Hole (2009) [by teleconference]; Vienna (2009); Tallinn (2009); Daejeon (2009) (2x); Seoul (2009); Omaha (2009); Mexico City (2009); Washington (2009); Lincoln (2010) (2x); Brussels (2010); Paris (2010) (2x); Vienna (2010) (2x); The Hague (2010); Rome (2010); Kyoto (2010) (2x); Washington [by Skype] (2010); Prague (2010) (2x); Chicheley Hall (2010) (2x); Omaha [by Skype] (2010); Washington (2011); Noordwijk (2011); Paris (2011) (2x); Lincoln (2011); Bucharest (2011) (2x); Oberpfaffenhofen (2011); Arcachon (2011) (2x); Cape Town (2011) (3x); Omaha (2011); Tokyo (2012) (2x); Paris (2012) (2x); Vienna (2012); Brussels (2012) (2x); Lincoln (2012); Amsterdam (2012); Luxembourg (2012); Naples (2012) (2x); Washington (2012); New York (2012); Buenos Aires (2012) (3x); Lincoln (2013) (2x); Playa del Carmen [by Skype] (2013); Brussels (2013); Paris (2013) (2x); Geneva (2013); Washington (2013) (2x); The Hague (2013); Luxembourg (2013); Beijing (2013); New York (2013); Washington (2014) (3x); Bellevue (2014); Paris (2014) (3x); Vienna (2014); Lincoln [by AdobeConnect] (2014); Luxembourg (2014); Chicago [by Internet] (2014); Toronto (2014) (2x); The Hague (2014); Mountain View [by AdobeConnect] (2015); Manchester (2015); Paris (2015) (2x); Lincoln (2015) (3x); Luxembourg (2015); Vienna (2015); Jerusalem (2015); Washington (2015); New York (2015); Sarasota (2015); Abu Dhabi (2016); Paris (2016) (3x); Lincoln (2016) (4x); Zeist (2016); Leiden (2016); Luxembourg (2016); Guadalajara (2016) (2x); Washington (2016); Vienna (2016); Bilthoven (2016); Vienna (2017); Lincoln (2017) (3x); East Lansing (2017); Sharjah (2017); Paris (2017) (3x); Graz [by Skype] (2017); Washington

(2017); Adelaide (2017) (2x); Warsaw (2017); Nijmegen [by StarLeaf] (2017); Utrecht (2018); Paris (2018) (3x); Tilburg (2018); Amsterdam (2018); Lisbon (2018); Groningen (2018); Lincoln (2018); Bremen (2018); Cambridge (USA) (2018) (2x); Lincoln (2019) (4x); Washington (2019) (6x); Noordwijk (2019) (5x); Amsterdam (2019); Luxembourg (2019); New York (2019); Athens (USA) (2019); Moscow [by pre-recorded video] (2019); Santiago de Chile [by Zoom] (2020); London [by Zoom] (2020); Newport [by Zoom] (2020) (2x); Kuala Lumpur [by Zoom] (2020); Lincoln [by Zoom] (2020); IAC CyberSpace Conference [by pre-recorded video] (2020); Future Law Virtual Summit [by Zoom] (2020) (2x); AIAA Conference [by ASCEND] (2020); ELSA Webinars Academy [by Webinar] (2020); Masterclass Adyen [by Zoom] (2020) (2x); Utrecht [by pre-recorded video] (2021); ASIL Annual Meeting [by pre-recorded video & Zoom] (2021); Inaugural US Space Command Legal Conference [by Zoom] (2021); Institutions of Extraterrestrial Liberty [by Zoom] (2021); MVA Registration Project [by Zoom] (2021); Waikato [by Zoom] (2021); Luxembourg (2021) (2x); LES Annual Meeting [by pre-recorded video] (2021); Washington [by WebEx] (2021); Lincoln [by Zoom] (2021) (2x); Dubai (2021) (4x); New York [by Zoom] (2021); Maui [by Zoom] (2021); USERN Congress [by Zoom] (2021); Utrecht [by Zoom] (2022); Mexico City [by Zoom] (2022); Grand Rapids (2022); New York [by Teams] (2022); Durham [by Zoom] (2022); Gainesville [by Zoom] (2022); São Paulo [by Zoom] (2022); Poggio Renatico (2022); Durham [by Zoom] (2022); Paris (2022)(2x); Washington (2022) (2x); Haikou [by pre-recorded video] (2022); Philadelphia (2023); Mumbai [by Zoom] (2023); Washington [by Zoom] (2023); Cleveland [by Zoom] (2023); Cambridge (USA) (2023) (5x); Boston (2023); Utrecht (2023); London [by Teams] (2023); Thessaloniki (2023).

Topics & other details available upon request.

Guest lectures at foreign universities or other academic institutions: Universidad Nacional de Mar del Plata (1991, 1995); Research Group on Space Utilization and Space Policy, Tokyo (1991); Indonesian Centre for Air and Space Law, Bandung (1991)(2x); National Institute of Public Administration, Kuala Lumpur (1991); Università di Messina (1992)(2x); Universidad de Granada (1994); Università degli Studi, Padova (1995, 1996 (2x), 1998 (2x), 2000, 2001, 2002, 2003, 2006, 2007, 2010 (3x)); University of Aberdeen (1995); National University of Mar del Plata (1995); University of Lapland, Rovaniemi (1997)(2x); Université de Bretagne Occidentale, Brest (1998)(2x); Université de Genève (1999)(3x); Universidad de Vale do Paraíba (UNIVAP), São José dos Campos (2000)(4x); Université de Nice-Sophia Antipolis (2001); University of Miami (2001); Université de La Rochelle (2002)(2x); Universität Köln (2003); Katholieke Universiteit Leuven (2003); University of Mississippi [by Internet] (2003); Karl-Franzens Universität Graz (2004); Brazilian Society for Air and Space Law, Rio de Janeiro (2004); Universidad Nova de Lisboa (2005 (3x), 2009); Università di Perugia (2005); University of Nebraska-Lincoln (2007); Università degli Studi, Genoa (2008, 2017, 2018, 2019, 2020 [by Teams], 2021 [by Teams]); Creighton University, Omaha (2009, 2011, 2012); Universiteit van de Nederlandse Antillen (2009); Korea Aerospace University (2009); Beihang University, Beijing (2010)(3x); Northwestern University, Chicago (2011); University of Tokyo (2012); University of Wisconsin, Madison (2012); Pontificia Universidad Católica Argentina, Buenos Aires (2012); Xi'an Jiaotong University (2013)(3x); Université de Luxembourg (2013, 2017 (2x), 2018 (3x), 2019 (3x), 2020 [by pre-recorded video], 2021 (3x)[by WebEx], 2022 (3x), 2023 (3x)[by WebEx]; Doane College, Crete (2014 (2x), 2015 (2x), 2016); University of Houston Law Center [by Skype] (2014); Università 'La Sapienza', Rome (2015)(2x), 2021 [by Zoom]; Munich Aerospace Summer School, Herrsching (2015); Lazarski University, Warsaw (2016); University of Helsinki (2018)(2x); University of Arizona (2019); Harvard University (2019)(3x); University of

Cincinnati [by Skype] (2020); University of New South Wales, Canberra [by Internet] (2020)(2x); Maharashtra National Law University, Aurangabad [by Google Meet] (2020); Lazarski University, Warsaw [by ClickMeeting] (2021); Mandeville Academy, Gouda (2021, 2023); US Air Force Academy, Colorado Springs [by Zoom] (2022); Aristotle University of Thessaloniki [by Zoom] (2022, 2023); Yokohama National University [by Zoom] (2023); Paris Cité Université [by Zoom] (2023); Xiamen University (2023)(10x).

Topics & other details available upon request.

Guest lectures at Dutch institutions: Institute of Social Studies (ISS) (1987 (2x), 1988); Rijksopleidings Instituut Ministerie van Binnenlandse Zaken (1988); Instituut Clingendael (1993, 1994, 1995, 1996 (4x), 1997 (4x), 1998 (6x), 1999 (2x)); Instituut Defensie Leergangen (IDL) (1994, 1995 (2x), 1996 (2x), 1997, 1998 (2x)); University of Amsterdam (1996, 1997); Netherlands Industrial Space Organisation (NISO) (1996); Netherlands Aerospace Group (NAG) (1996); Association des Etats Généraux des Etudiants de l'Europe (AEGEE) (1997); Rotarians Leiden (1998); Maastricht School of Management (MSM) (1998–1999); Netherlands' Aviation Academy (NAA)(1999); NewKnowledgeClub Rotterdam (2003); Hogeschool Leiden (2003); Technical University Delft (2004, 2005 (4x), 2006 (4x), 2007 (3x), 2008, 2009, 2010, 2016); ESTEC Noordwijk (2006); Rijksmuseum (2006); Leiden University (2008 (3x), 2010); Leids Juridisch Genootschap (2008); Rotarians Zoetermeer (2008); People's Astronomical Observatory Bussloo (2016, 2020 [via YouTube]); Air and Space Law Table, 'Sociëteit de Witte', The Hague (2017); SPUI25 in Spe, Amsterdam (2018); Lions Leiden (2019); Studium Generale, Leiden University [by podcast] (2020); SPUI25 Soapbox, Amsterdam (2021); TNO Defence, Safety & Security, The Hague (2021); Vrije Universiteit, Amsterdam (2022)(2x), (2023)(3x).

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Editing activities

Member Editorial Staff, *Leiden Journal of International Law*, 1987-1996.
Member International Editorial Board, *Space Policy*, 2004- .
Contributing Editor, *European Journal of Navigation*, 2005-2006.
Series Editor, *Studies in Space Law*, 2006- . As of today, 22 volumes published (<https://brill.com/view/serial/SLAW>).
Peer reviewer, *Space and Defense*, 2008-2011.
Member Editorial Board, *Space Law Research Journal*, 2021- .

Editor, *The Implications of the CEC Green Paper on Satellite Communications in Europe*, Proceedings of the First Dutch NPOC/ECSL Workshop, Noordwijk (1991).
Assistant-editor, *Air and Space Law: De Lege Ferenda*, Essays in honour of Henri A. Wassenbergh (1992).
Editor, *New Opportunities for Cooperation in European Space Activities*, Proceedings of the Second Dutch NPOC/ECSL Workshop, Noordwijk (1993).
Editor, *Recent Developments in the Field of Protection and Distribution of Remote Sensing Data*, Proceedings of the Third Dutch NPOC/ECSL Workshop, Noordwijk (1994).
Co-editor, *Regulation of the Global Navigation Satellite System (GNSS)*, Proceedings of the Conference on Regulation of the Global Navigation Satellite System (GNSS), Noordwijk (1997).
Co-editor, *Deregulation and Regulation of the European 'Airscape'*, Proceedings of the Seminar on Deregulation and Regulation of the European 'Airscape', Frankfurt (1997).
Editor, *The International Space Station – Commercial Utilisation From A European Legal Perspective*, Leiden (2006) (Co-editor: M.M.T.A. Brus).
Editor, *National Space Legislation in Europe – Issues of Authorisation of Private Space Activities in the Light of Developments in European Space Cooperation*, Leiden (2011).
Editor, *Space Law*, Oxford Bibliographies Online, Oxford (2012).
Editor, *Handbook of Space Law*, Cheltenham/Northampton (2015).
Editor, *International space law*, Cheltenham/Northampton (2018).
Editor, *National Space Law in Poland* (2023) (Co-editor: A. Konert).

Organization of conferences and workshops

Presentation of the First Issue of the *Leiden Journal of International Law* by Mr. M. van der Stoel, Leiden (1988).
First Dutch NPOC/ECSL Workshop, on “The Implications of the CEC Green Paper on Satellite Communications in Europe”, Noordwijk (1991).
International Conference on the Law, Policy, and Commerce of International Air Transport and Space Activities, on “The Highways of Air and Outer Space Over Asia”, Taipei (1991).
Second Dutch NPOC/ECSL Workshop, on “New Opportunities for Cooperation in European Space Activities”, Noordwijk (1993).
Third Dutch NPOC/ECSL Workshop, on “Recent Developments in the Field of Protection and Distribution of Remote Sensing Data”, Noordwijk (1994).
Fourth Dutch NPOC/ECSL Workshop, on “The Need for Regulation of Private National Space Activities”, Noordwijk (1995).
Seminar on “Deregulation and Regulation of the European 'Airscape'”, in co-operation with the Europäische Rechtsakademie (ERA, Trier), Frankfurt (1996).

(Organization of conferences and workshops-ctd)

- Fifth “ECSL Summer Course on Space Law and Policy”, in co-operation with the European Centre for Space Law (ECSL, Paris), Leiden (1996).
- Conference on “Regulation of Global Navigation Satellite Systems”, in co-operation with the European Commission, ESA/ESTEC and Eurocontrol, Noordwijk (1996).
- Conference on “Air and Space Law”, in co-operation with the Asociación Latino Americana de Derecho Aeronáutica y Espacial (ALADA), Buenos Aires (1997).
- Meeting Attorneys Commenting on Aviation Working Group, on the forthcoming UNIDROIT draft convention on securities and mobile assets and the aviation protocol, Leiden (2000).
- EOPOLE Workshop, on “Legal and New Opportunities Issues [regarding earth observation data policy issues in Europe]”, Leiden (2000).
- Session IBA Conference, on “Global Navigation Satellite Systems: new challenges and opportunities”, Amsterdam (2000).
- Post-Academic Seminar, on “Financing of, and securities in aircraft and satellites”, Leiden (2000).
- Session IBA Conference, on “UNIDROIT’s draft convention on international interests in mobile equipment”, Cancun (2001).
- First UN/IIASL Workshop on Space Law Capacity Building, The Hague (2002).
- ECSL Practitioners’ Forum on Galileo, Legal and Institutional Aspects, Paris (2003).
- IISL/ECSL Symposium on Reinforcing the Registration Convention, Vienna (2003).
- Second UN Workshop on Space Law Capacity Building, Daejeon (2003).
- ECSL Practitioners’ Forum on New Developments in Earth Observation and Data Policy, Paris (2004).
- Symposium on Legal Aspects of Commercial Utilisation of the International Space Station (ISS) – A Dutch Example, Noordwijk (2004).
- IISL/ECSL Symposium on New developments and the legal framework covering the exploitation of the resources of the moon, Vienna (2004).
- ECSL Practitioners’ Forum on New Developments in (Satellite) Communications, Paris (2005).
- Second Asian Space Conference, Hanoi (2005).
- ECSL Practitioners’ Forum on Space Tourism – Legal and Policy Aspects, Paris (2006).
- ECSL Practitioners’ Forum on Recent developments within the European space industry: legal aspects, Paris (2007).
- ECSL Practitioners’ Forum on National space legislation in Europe – Issues of authorisation in the light of developments in European space cooperation, Paris (2008).
- UNL Conference “Space & Telecommunications Law & Policy: Looking Back at the Past Eight Years, Looking Toward the Next Four”, Washington (2008).
- Conference on Near-Earth Objects: Risks, Responses and Opportunities – Legal Aspects, Lincoln (2009).
- 2nd UNL Annual Space and Telecom Law, Conference, Washington (2009).
- ECSL Practitioners’ Forum on Galileo: Current Legal Issues, Paris (2010).
- ISPRS/ESPI/IAA/IISL Conference “Current legal issues for satellite Earth observation”, Vienna (2010).
- Conference on Space Security and Space Tourism: Challenges to and Transatlantic Perspectives on Governance, Lincoln (2010).
- ISPRS Technical Committee VIII Symposium, Policy session, Kyoto (2010).
- ECSL Practitioners’ Forum on Manned Spaceflight Safety Issues: Legal & Policy Aspects, Paris (2011).
- 5th Annual Space Law Conference, Lincoln (2011).
- 2nd IAA Planetary Defence Conference, Bucharest (2011).

(Organization of conferences and workshops-ctd)

- ECSL Practitioners' Forum on Insurance of space activities from the cradle to the grave – Legal Aspects, Paris (2012).
- 6th Annual Space Law Conference, Lincoln (2012).
- ECSL Practitioners' Forum on Registration of Satellites – Legal Aspects and Practice, Paris (2013).
- 7th Annual Space Law Conference, Lincoln (2013).
- ECSL Practitioners' Forum on Recent Developments in Export Control Regulations on Space Technology, Paris (2014).
- International Conference on Space (ICS-2014), SUPARCO, Islamabad (2014).
- ECSL Practitioners' Forum on Space Governance in Europe: Regulation of Space Activities, Paris (2015).
- ECSL Young Lawyers' Symposium on the Legal Framework for Space Activities – Encouraging or Favouring Industrial Investment, Paris (2016).
- ECSL Practitioners' Forum on the Exploitation of Natural Resources in Outer Space, Paris (2016).
- ECSL Practitioners' Forum on Legal and Regulatory Aspects of Small Satellites, Paris (2017).
- ECSL Young Lawyers' Symposium on the 'Moon Village' and Legal Aspects of Space Exploration, Law and NewSpace, and International Governance and Space, Paris (2017).
- ECSL Practitioners' Forum on Cyber Issues in Space: Legal Tools, Paris (2018).
- ECSL Practitioners' Forum on The Moon Village Concept: Practical, Business and Legal Challenges, Noordwijk (2019).
- ASIL Signature Topic Workshop on Planetary Defense: Legal Issues, Washington (2019).

Other activities connected with profession (selected)

- Co-founder and Chairman Preparatory Committee, *Leiden Journal of International Law*, 1987.
- Coach of moot court teams, 1988- .
- Writer of moot court cases, 1990- .
- Author (with Prof. Dr. P.H. Kooijmans) of a report for the Commissioner of External Relations, Commission of the European Communities, on “The European Communities and the Unification of Germany”, 1990.
- Author (with Prof. Dr. P.H. Kooijmans) of a report for the Commissioner of External Relations, Commission of the European Communities, on “The European Communities and the Conference on Security and Cooperation in Europe”, 1990.
- Author of a report for the Commission of the European Communities, Commissioner of External Relations, on “The European Communities and the Intergovernmental Conference(s)”, 1990.
- Founder and Co-ordinator Netherlands’ National Point of Contact, European Centre for Space Law, 1990-2008.
- Member of the Organisation Committee of the T.M.C. Asser International Law Moot Court Competition, 1991-2000.
- Member of the National Contact Group ITU-regulatory affairs (NCGI), Ministry of Transport, Public Works and Water Management of The Netherlands, 1994-2000.
- Board Member, European Centre for Space Law (ECSL), Paris, 1997-2019.
- Member for the Netherlands, Committee on Space Law, International Law Association (ILA), London, 1997- .
- Legal Adviser to the Dutch Government on United Nations space law and policy issues, 1997- .
- Rapporteur Working Group on Legal/Institutional Issues Regarding GNSS, Commission of the European Union, 1998.
- Legal Adviser to the OECD Megascience Forum on radio astronomy-related legal and policy issues, 1998-1999.
- Legal Expert, European Community Concerted Action project on earth observation data policy in Europe (EOPOLE), University College of London, London, 1998-2000.
- Legal Adviser to the German space agency (DLR) on national space legislation, 1999.
- Member, International Policy Advisory Committee (IPAC), International Society for Photogrammetry and Remote Sensing (ISPRS), 1999- .
- Member of the Board of Directors and Treasurer/Public Relations, International Institute of Space Law (IISL), Paris, 2000- .
- Member, Working Group on Legal Issues regarding GALILEO, Commission of the European Union, 2000-2001.
- Legal Task Manager, European Union Project GALILEI, Commission of the European Union, 2001-2003.
- Legal Adviser to the Dutch government on national space legislation, 2001- .
- Legal Adviser to the Organisation on Economic Co-operation and Development (OECD) on commercialisation and privatisation of space activities, 2002-2005.
- Member of the Dutch Delegation, Legal Subcommittee, UN Committee on the Peaceful Uses of Outer Space, Vienna, 2003.
- ECSL Observer, First Governmental Session on the UNIDROIT Space Assets Protocol, Rome, 2003.
- Legal Expert, Project for a European Radio Navigation Plan (ERNP), Commission of the European Union, 2003-2004.
- Legal Expert, Advantis Project for a Centralised Guaranteed Integrity Localisation Service, Commission of the European Union, 2004.

(Other activities connected with profession (selected)-ctd)

- Legal Expert, GMES Organisation and System Integration Scenarios, Commission of the European Union, 2005-2006.
- Legal Expert, GIANT Project (GNSS introduction into the aviation sector), Galileo Joint Undertaking, 2005-2007.
- Legal Expert, GRAIL Project (GNSS introduction into the rail sector), Galileo Joint Undertaking, 2005-2007.
- Legal Expert, AGILE Project (GNSS introduction into the Location-Based Services markets), Galileo Joint Undertaking, 2005-2007.
- Member of the Advisory Board, Project on Satellite monitoring as a legal compliance tool in the environmental sector, University College of London (UCL), London, 2005-2008.
- Legal Expert, HARMLESS Project (GNSS introduction into humanitarian aid, emergency management and law enforcement user applications), Galileo Joint Undertaking, 2006-2007.
- Legal Expert, Impact Assessment Relating to the Economic and Governance Evolution of Space in Europe, Risk & Policy Analysis, 2006-2007.
- Legal Expert, Project on GMES Payload Data Ground Segment Security, Logica, 2008-2009.
- Member of the Panel on Near-Earth Objects with respect to the Study on legal aspects of international responsive action against Near-Earth Objects (NEOs), Association of Space Explorers (ASE), 2008-2009.
- Member of the EU Expert group on GNSS liability, European Commission/Roland Berger, 2009.
- Member of the Advisory Board, Project on Smart Enforcement in Environmental Legal Systems: A Socio-Legal Analysis of Regulatory Satellite Monitoring in Australia, Economic and Social Research Council (ESRC)/University College of London (UCL), 2009-2010.
- Legal Expert, Advisory Group on optional rules for arbitration of disputes relating to Outer Space, Permanent Court of Arbitration (PCA), 2009-2011.
- Legal Expert on GNSS-based tracing and tracking for the transport of dangerous goods, European Commission/VVA, 2010-2011.
- Legal Expert on the Legal Framework for Space Activities within Europe, European Commission, 2012.
- Legal Expert, Detection, Evaluation and Characterisation of Threats to Road Applications, European GNSS Supervisory Authority (GSA)/Nottingham Scientific Limited (NSL), 2012-2013.
- Legal Advisor on the Curacao Aerospace Ordinance, Government of Curacao, 2012-2013.
- Legal Expert, Caribbean Large Maritime Ecosystem Data Policy, UNESCO/P. Geerders Consultancy, 2012-2013.
- Ethics Evaluator, FP7 Space Program, European Commission, 2013-2015.
- Legal Advisor on European export control environment, Excalibur/Government of Japan, 2014.
- Legal Expert, Benchmarking National Space Laws Europe & North America, Euroconsult/Government of Japan, 2015.
- Legal Advisor, Emergency Asteroid Deflection Project; Task Force Humanity, 2015.
- Senior Advisor on Space Law and Policy with the United Arab Emirates Space Agency; A.T. Kearney, 2015-2017.
- Advisor on Space Resource Mining Issues to the Luxembourg Government; University of Luxembourg, 2015-2016.

(Other activities connected with profession (selected)-ctd)

Member, *Ad hoc* legal working group Space Missions Planning and Advisory Group, representing the Association of Space Explorers (ASE), 2016- .

Associate Expert, Woomera Manual Project, 2019- .

Member, Strategy Expert Panel with the Saudi Space Commission, 2019-2020.

Member, Off-World Approach Council, Hague Institute of Global Justice, 2021- .

Member, Space Advisory Council with the Saudi Space Commission, 2022- .

Newspaper, magazine, radio, television and Internet interviews (Argentina, Australia, Austria, Brazil, Canada, Denmark, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Lithuania, Luxembourg, Netherlands, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine, United Kingdom, United States a.o.) (*electronic files sometimes available on request*).

Memberships

Netherlands' Society for International Law (NVIR), The Hague
American Branch of the International Law Association (ABILA), New York
International Law Association (ILA), London
European Centre for Space Law (ECSL), Paris (past Board Member)
International Institute of Space Law (IISL) of the International Astronautical Federation (IAF),
Paris (Director)
American Institute of Aeronautics and Astronautics (AIAA), Washington (Senior Member)
Centro de Investigacion y Difusion Aeronautico-Espacial (CIDA-E), Montevideo (Corresponding
Member)
International Academy of Astronautics (IAA), Paris
European Space Policy Research and Academic Network (ESPRAN) of the European Space
Policy Institute (ESPI), Vienna
International Policy Advisory Committee (IPAC), International Society of Photogrammetry
and Remote Sensing (ISPRS)
Council, Off-World Approach, Hague Institute for Global Justice (THIGJ), The Hague