

CURRICULUM VITAE OF

RAFAEL HARILLO GÓMEZ-PASTRANA (Paris, France; July 19th, 1967)

Lawyer/ Space Consultant.

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Law Education

- Degree in Law. Universidad Central de Barcelona (1992)
- Master in Business Law. Universidad Pompeu Fabra de Barcelona (1995)

Professional experience:

- Lawyer at the Il.lustre Col.legi d'Advocats de Barcelona (1992)
- Professional exercise from 1.992. Partner Director and founder of my own Law Office (ABOGADOS & ASESORES) 1998 to 2018.
- From 2019 to June 2022, Consultant in Space Law at Bufete Mas y Calvet, Madrid, Spain
- Wide experience in Space Law, Business Law, Corporate, and Litigation.

Space experience

- ✓ Founder, Partner and Director of **STARDUST CONSULTING S.L.U.** (February 2010). Adviser in space & aerospace projects including legal framework, suborbital flight, spaceport activities, business development for space mission including launchers, constellations, small satellites, orbital operations, Moon and other celestial bodies.
- ✓ Member of the Board of Directors of ASOCIACION ESPAÑOLA DE DERECHO AERONAUTICO Y ESPACIAL (**AEDAE**)
- ✓ Member of the INSTITUTO IBEROAMERICANO DE DERECHO AERONÁUTICO, DEL ESPACIO Y DE LA AVIACIÓN COMERCIAL
- ✓ Member of THE INTERNATIONAL INSTITUTE OF SPACE LAW (**IISL**)
- ✓ Member of the EUROPEAN CENTRE FOR SPACE LAW (**ECSL- ESA**)
- ✓ Member and founder of the Lobby Lunar Latino; Head of Legal affairs-

- ✓ Former Member of the CENTRO ESPAÑOL DE DERECHO ESPACIAL **(CEDE)**
 - ✓ Former Member of the SUBORBITAL SAFETY TECHNICAL COMMITTEE of INTERNATIONAL ASOCIATION FOR THE ADVANCEMENT OF SPACE SAFETY **(IAASS)**
 - ✓ Member of the PLD SPACE Advisory Board
 - ✓ Member of the FOSSA SYSTEMS, S.L. Advisory Board
 - ✓ Former Member of Cosmica Spacelines Advisory Board
 - ✓ Former secretary of the Executive Committee of BAIE (*Barcelona Aeronautics & Space Association*) and also, Sub committees, including Space, Aeronautical and Defense.
 - ✓ Former Member of the Galactic Suite Advisory Board.
 - ✓ Former legal assessor & space consultant of Barcelona Moon Team - GLXP
 - ✓ Co- founder, partner and President of the EUROPEAN COMMERCIAL SPACEFLIGHT ASSOCIATION (ECSA) (2011)
 - ✓ Co- founder, partner and secretary of ASOCIACIÓN COMUNITAT NEWSPACE in Barcelona, Spain. (2015)
 - ✓ Collaborator of CTAE (*Aerospace Research and Technology Centre*) in diverse studies. (Including Professional advice on legal issues concerning Space Tourism in Spain)
 - ✓ Member of Barcelona Local Organizing Committee for SSP- 08 Program of the International Space University.
 - ✓ Member of the Advisory Board of the Aeronautical & Space Section of ICAM (Ilustre Colegio Abogados Madrid)
 - ✓ Member of the legal team who was develop the draft of the future **Spanish Space Act**. Promoted by Transport Ministry DGAC. Developed in 2014.
 - ✓ Member of the team who was develop the **Strategic plan about New Space in Catalonia** (Spain) (2020)
 - ✓ Space Law Adviser to IEEC in *Proyecto New Space* 2021
 - ✓ Associated teacher in Universidad Pontificia Comillas – ICADE. **“Curso de postgrado de especialista en derecho aéreo y espacial”** (2021)
 - ✓ Associated teacher in Universidad Pontificia Comillas – ICADE. **“Curso de postgrado de especialista en derecho aéreo y espacial”** (2022)
 - ✓ Participant in the **EUSTM** (European Union Space Traffic management) project in representation PLD, launchers perspective.
 - ✓ Participant as space expert about space law in the *Stuttgart Space Station Desing Workshops 2022*. University of Stuttgart, Germany
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- ✓ Astronautics course in the AGRUPACIÓN ASTRONÁUTICA ESPAÑOLA (member of IAF) (1984).
 - ✓ Executive Space Course INTERNATIONAL SPACE UNIVERSITY (2007).
 - ✓ Course: Planetary Science and the research for Life. OPEN UNIVERSITY, LONDON. (2010)
 - ✓ Different Commercial Space Courses at Heatspring (2015 and 2016)
 - ✓ Course: Introduction to Aerospace Engineering: Astronautics and human spaceflight. **M.I.T** by Edx (2019)
 - ✓ Private Pilot.

- ✓ Practitioners Forum ECSL - ESA (2006): Space Tourism Legal and Policy Aspects.
 - ✓ Practitioners Forum ECSL-ESA (2008): National space legislation in Europe; Issues of authorization in the light of developments in European space cooperation.
 - ✓ Practitioners Forum ECSL-ESA (2010); Galileo currents legal issues.
 - ✓ Practitioners Forum ECSL –ESA (2011); manned Spaceflight Safety Issues; Legal & Policy Aspects. Panelist in the session ***“The Private Industry Perspectives”***
 - ✓ Practitioners Forum ECSL -ESA (2013); “The registration of Satellites”
 - ✓ Practitioners Forum ECSL -ESA (2014); “Recent Developments in export Control Regulation on space Technology”
 - ✓ Practitioners Forum ECSL-ESA (2015); “Space Governance in Europe: Regulation of Space Activities”
 - ✓ Practitioners Forum ECSL-ESA (2019); “The Moon Village Concept”
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- ✓ Participant in the 57th IAC Congress. Valencia October (2006).
 - ✓ Participant in the 60th IAC Congress. Dajeon; Korea. October (2009).
 - ✓ Participant in the 61st IAC Congress. Prague. October (2010); Presentation of the paper: ***“The Barcelona moon Team at the GLXP involving Society; Paving the Spanish Legal Path”***
 - ✓ Participant in the 62nd IAC Congress. Cape Town October (2011); presentation of the paper: ***“Legal issues in commercial Spaceflight Projects In Spain”***
 - ✓ Participant in the 63rd IAC Congress. Naples, October (2012)
 - ✓ Participant in the 64th IAC Congress, September (2013), Beijing, China.
 - ✓ Participant in the 65th IAC Congress. October (2014). Toronto, Canada
 - ✓ Participant in the 66th IAC Congress. October (2015). Jerusalem, Israel.
 - ✓ Participant in the CyberSpace Edition ICA Congress October (2020) Dubai
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- ✓ Attendant at 14th Annual FAA commercial Space Transportation Conference. February (2011). Washington D.C.
 - ✓ Attendant at 15th Annual FAA commercial Space Transportation Conference. February (2012). Washington D.C.
 - ✓ Attendant at 16th Annual FAA commercial Space Transportation Conference. February (2013). Washington D.C.
 - ✓ Attendant at 17th Annual FAA commercial Space Transportation Conference. February (2014). Washington D.C. **Presentation of the paper: “International Spaceport & Suborbital Flight Activities in Spain”.**
 - ✓ Attendant at 18th Annual FAA commercial Space Transportation Conference. February (2015). Washington D.C.
 - ✓ Attendant at 19th Annual FAA commercial Space Transportation Conference. February (2016). Washington D.C. **Participant in the panel “International Legislation for Commercial Space Transportation”.**
 - ✓ Attendant at Annual FAA Commercial Space Transportation Conference. February (2019). Washington D.C
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- ✓ Attendant in the 1st Symposium on Private Human Access to Space. (IAA) Arcachon, France. (May 2008)

- ✓ Participant of the professional visit to the Guiana Space Centre, Europe's Spaceport. (February 2009).
- ✓ Co - Organizer of the Work symposium **“L'aeroport de Lleida-Alguaire. Oportunitats técnico-económicas i d'inversió”** (21 Octubre 2009); Lleida, Spain.
- ✓ Attendant in 14th ISU Annual International Symposium: The Public Face of Space. (February 2010 Strasbourg, France.)
- ✓ Attendant at Conference Space law and policy (2010) (IISL, IAA, SWF, ARIANSPACE, ESPI. Washington. D.C.
- ✓ Attendant at conference Legal Issues for Satellite Earth observation. (April 2010). European Space Policy Institute. Vienna.
- ✓ Attendant at Symposium SPACE SECURITY AND SPACE TOURISM. CHALLENGERS TO AND TRANSATLANTIC PRESPECTIVES ON GOVERNANCES. University of Nebraska, (May 2010)
- ✓ Attendant in the 7th INTERNATIONAL PLANETARY PROBE WORKSHOP. (Barcelona, June 2010)
- ✓ Participant in the 2st Symposium on Private Human Access to Space. (IAA) Arcachone, France, (2011); presentation of the paper: **“Commercial Spaceflight Projects in Spain. Challengers and perspectives”**
- ✓ Attendant to the Workshop “Future regulatory framework for suborbital flights in Europe”, (October 2012)
- ✓ Attendant at Space Resources professional Course. Luxembourg (October 2019)
- ✓ Attendant at Space Policy and Law Course of London institute of Space Policy and Law. (October 2019)
- ✓ Lecturer at Science Week (2019). El Puerto de Santa Maria, Cadiz, Spain. **“The moon and his resources”**
- ✓ Lecturer at Instituto de Ingenieria de España & ICAM. **“La explotación de los recursos Naturales de los cuerpos celestes. Cuestiones Tecnico-Juridicas”** (December 2019)
- ✓ Lecturer at the conference of ICAM (Sección de Derecho Aeronáutico y Espacial del Ilustre Colegio de Abogados de Madrid) **“Perspectivas del Sector espacial español 2020”. Talking about differences between Militarization and Weaponization.** (February 2020)
- ✓ Reviewe of the document: **“Una perspectiva del sector espacial en España”** Space Committee of Instituto de la Ingeniería de España. (2020)
- ✓ Lecturer at the Webinar **“LATCOSMOS: the first Latin American Space Mission. An encounter with your crew”**. AEDAE- Universidad Pontificia Comillas (29 October 2020)
- ✓ Lecturer at the Webinar **“Essential legal aspect in space activity”** Bufete Mas y Calvet – AEDAE. (June 2020)
- ✓ Lecturer at the Webinar **“Legal Aspect of Space Operations”**. Bufete Mas y Calvet, AEDAE Universidad Pontificia Comillas -ICADE. (June 2021)
- ✓ Lecturer at SSP 21 International Space University. Granada: **National Space Framework. The Spanish case –** (July 2021)
- ✓ Speaker in the conference **“Suborbital Space Transportation”**, (November 05th 2013) in Royal Academy of Engineering, Madrid.
- ✓ Speaker in the conference **“Tourism and space business; Practice and legal regulation”**. Barcelona Bar Association, (November 09th 2013)
- ✓ Speaker in the Catalanian Regional Parliament of the work: **“Future of the entrepreneurial space activities in Catalonia”** (November 08th 2014).

- ✓ Lecturer at the XLI working days of the INSTITUTO IBEROAMERICANO DE DERECHO AERONÁUTICO, DEL ESPACIO, Y DE LA AVIACIÓN COMERCIAL, and participating in the table about **Moon Agreement**, (2014).
 - ✓ Lecturer at the V seminar about Space Activities and Law. Escuela Técnica Superior de Ingeniería Aeronáutica y Espacial, Universidad Politécnica, Madrid & INSTITUTO IBEROAMERICANO DE DERECHO AERONÁUTICO, DEL ESPACIO, Y DE LA AVIACIÓN COMERCIAL, with the presentation of the paper: **New Space economy; regulations and projects. New steps forward the space.** (October 2015)
 - ✓ Lecturer at the seminar about Space Activities and Law. Space Mining Escuela Técnica Superior de Ingeniería Aeronáutica y Espacial, Universidad Politécnica, Madrid & INSTITUTO IBEROAMERICANO DE DERECHO AERONÁUTICO, DEL ESPACIO, Y DE LA AVIACIÓN COMERCIAL, with the presentation of the paper: **“The European Experience: Luxembourg and the Hague working Group.** (November 2017)
 - ✓ Lecturer at **“I Congreso Jurídico Espacial” Necesidad de regulación del sector espacial español. Necesidad de una ley espacial española como garantía jurídica y como facilitadora de inversiones y desarrollo de la industria”** Madrid, November 2021
 - ✓ Lecturer at Workshop **"Necesidad y regulación de la Futura Agencia Espacial Española"**, organized by the Aviation and Space Law sections of the Madrid and Barcelona Bar Associations. December 2021
 - ✓ Lecturer at Jornadas De Relaciones Internacionales , Universidad rey Juan Carlos.: **“Un nuevo salto al espacio: La mercantilización de la carrera espacial.”** March 2022
 - ✓ Attendant in the **“Café especial”** event on April 2^oth, 2022, about the presentation of Lobby Lunar Latino.
 - ✓ Lecturer at Space Mining Event – Madrid School of Mines (May 2022), with the presentation: **“Space regulatory framework in Spain”**
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- ✓ Author of the article for space journal ESPACIO about development of **“Google Lunar XPrize”**, (August 2012)
 - ✓ Author of the article for space journal ESPACIO about **“Space mining activities”** (December 2012)
 - ✓ Author of opinion article in digital journal Infoespacial: **“Some observations on the creation of the Spanish Space Agency”** (13/05/15)
 - ✓ Author of opinion article in digital journal Infoespacial: **“Encourage as stimulating”** (11/01/2016)
 - ✓ Author of opinion article in digital journal Infoespacial: **“The space, 50 years after”**. (02/09/2019)
 - ✓ Author and presentation of: The Moon: **From labs to towns; The legal framework for Lunar bases.** Summer School Universidad Complutense de Madrid. San Lorenzo del Escorial. (July 2016)
 - ✓ Author of the Article **The new Spaceship Orion of NASA.** Hispaviación Journal. (July 2016)
 - ✓ Author of the Article **“The evolution of the International Space Station”** Hispaviación Journal. Edition of Spanish Space Congress. (October 2019)

- ✓ Author of the article: **“Nuevos Enfoques De La Actividad Espacial. Desarrollos Reguladores, Políticos Y Económicos: El Caso Luxemburgo”** editorial Jurídica SEPIN. (June 2019)
- ✓ Author of the article: **La otra carrera espacial: La falta de regulación de la explotación de los recursos naturales en los cuerpos celestes hace necesario el desarrollo de una normativa.** Journal of the Consejo General de la Abogacía Española, (February 2020)
- ✓ Interview at Journal of the Consejo General de la Abogacía Española, about **Space actuality issues.** (11/May 2021)
- ✓ Author of the Article **“The Chinese Space Station Tiangong”** Hispaviación Journal. (June 2021)
- ✓ Author of Article **“Algunas consideraciones respecto al acceso comercial tripulado al Espacio”** Editorial Jurídica SEPIN (July 2021)
- ✓ Author of the Article **“Espacio y defensa. Algunas nociones sobre la situación en España”** Boletín nº 2. Observatorio Jurídico Aeroespacial. AEDAE (July 2021)
- ✓ Author of Article **“Algunas consideraciones jurídicas sobre la futura presencia del ser humano en el planeta rojo”.** Revista Española de Derecho Aeronáutico y Espacial, nº 1. September 2021 AEDAE- UCM-GIESA-BIOLAW <https://aedae-aeroespacial.org/wp-content/uploads/2021/10/Revista-AEDAE-2021.pdf>
- ✓ Author of Article **” La National Space Strategy del Reino Unido”.** Digital Journey Infoespacial. November 2021
- ✓ Author of Article **“Sobre la nueva eclosión del vuelo espacial tripulado”** Hispaviación Journal. (January 2022)
- ✓ Author of Article **“La Confrontación Legal Entre Blue Origin y La Nasa Por El Futuro Modulo De Aterrizaje Lunar: Algunas Consideraciones.** (*The Legal Confrontation Between Blue Origin And Nasa Over The Future Lunar Lander: Some Considerations*) “Editorial Jurídica SEPIN (January 2022)
- ✓ Author of article **“El Fomento De La Actividad Espacial Por Las Autoridades”.** Boletín nº 3. Observatorio Jurídico Aeroespacial. AEDAE (February 2022)

July 2022