

Jean-Luc Issler

Born in Strasbourg, 30 April 1964

Married with one child

Senior Expert and Advisor, CNES

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Work experience:

- January 2017-up to now: Senior Radio Frequency Expert and Senior Advisor at CNES.
- 2017-2023: Technical responsible of CNES Satellite Electronics Procurement Policy.
- July 2009-December 2016: Head of RF Instrumentation, TeleMetry and Propagation Section (CNES).
- January 2004-June 2009: Head of Transmission Techniques and Signal Processing Section (CNES).
- September 1996-December 2003: Head of Radio Navigation Section (CNES).
- September 1990-August 1996: Signal Processing and Radio Navigation engineer (CNES).

Some current attributions:

- Technical expertise and advising in Radio Frequency and optical transmissions, and in GNSS.
- Coordination of RF and optical communication space standards in CNES.
- Support to technical international collaborations of CNES in the Radio Frequency domain.
- Responsible of R&D in optical transmissions and RF Inter Satellite Links.

Technical expertise:

Data transmissions, signal processing, space and terrestrial telecommunications, localization and navigation, satellite navigation techniques and technologies, utilization of RF or laser optical waves for communications, spectrum monitoring, electronics, satellites, ground stations, receivers, transmitters, positioning, data processing, atmospheric propagation,

Memberships/affiliations:

- CNES participant to the CCSDS in RFM, C&S and OPT WGs of SLS area, with some participations to SLS/SLP and MOIMS/WIR WG.
- CNES representative to the SFCG, and to the Lunar Martian Spectrum Group of SFCG (LMSG)
- CNES representative in IOAG Working Groups: Committee to Study Lunanet Governance (CSLG), and before to the Mars and Beyond Communication Architecture (MBCA) WG, to the Lunar Communication Architecture (LCA) WG, to the Optical Link Study Group (OLSG) and to the 26GHz WG.
- Former French delegate of the Galileo Signal Task Force of the European Commission.
- Former Member of the EU GALILEO team negotiating RF compatibility of GALILEO with USA, Russia, China and India.
- Member of organizing and/or scientific committees of diverse international conferences on TeleMetry, Satellite Navigation and Spectrum Monitoring, GNSS processing, as session co-chairman or conference co-chairman.
- Member of ANAE (National Academy of Aeronautics and Space).

Patent:

- Inventor of 12 CNES patents in Satellite Navigation signals and/or receivers, TeleMetry and/or TeleCommand equipments, Time synchronization techniques, etc.
- Issued patents implemented on more than one hundred satellites.

Awards:

- 2017: Part of a 5-member European team awarded by European Patent Office for the European Inventor Award 2017 in the research category, for its contribution to the invention and the selection of 2 sets of GALILEO signals.
- 2010: Among the "*1000 researchers speaking about the future*", projected during one week on the Pantheon in Paris.
- 2008: Recipient of the EADS Science and Engineering Prize, delivered by the French Academy of Science, for the works on Galileo signals and space borne Radio Navigation equipments.
- 2004: Recipient of the Astronautics Prize of AAAF, the French aeronautical and space association