

JEAN-LOUP CAILLET

Space Simulator Architect

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WORK EXPERIENCE

Ground systems and simulation engineer

U-Space

September 2022 – May 2026 Toulouse (31)

- Design, implement and develop software architecture for on-premise HIL small-satellites simulators.
- Provided expertise and support in various subsystems: EPS (Electrical Power System), Thermal, GNSS, GNC (Guidance, Navigation & Control), RF...
- Participated in the LEOP (Launch and Early Orbit Phase) of multiple satellites.
- Provided complete simulation systems-including platform and ground segment simulators-for satellite operations training.

Maneuver support for SIRIUS' projects

CS for CNES

October 2018 – August 2022 Toulouse (31)

- Monitoring and validate flight dynamics's algorithms (SIRIUS)
- Technical support for multi satellite station keeping (MAP)
- Operational support for multi satellite positioning (MIP)
- Help to the Flight Dynamic System product's validation (FDS)
- Participation in system trials for product validation (FDS) and mission requirements. (MultisatPhasing, StationKeeping, AOCS...)

Flight validation for the Nanosatellite 'Eyesat'

CNES

March 2018 – August 2018 Toulouse (31)

- Contributing to the validation of various flight software partitions for the EyeSat nanosatellite on an avionics test bench

PUBLICATIONS

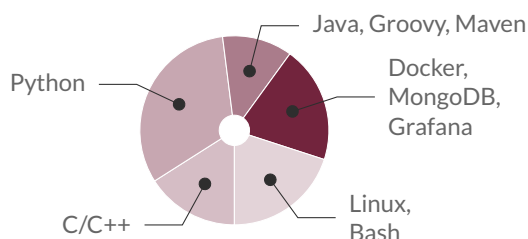
The Journal of Neuroscience

Ito Takayuki, Jean-Loup Caillet, Andrew Szabados, Pascal Perrier

May 2020 Grenoble (38)

- Quick compensatory mechanisms for tongue posture stabilization during speech production.

SKILLS



MY PHILOSOPHY

"The most exciting phrase to hear in science, the one that heralds new discoveries, is not 'Eureka!' but 'That's funny...' I.A"

STRENGTHS & PASSIONS

Teamwork Motivator & Leader
Curious & Dynamic Independent
Thorough Skillful Dynamic
Initiative spirit Meticulous

Music Spirituality
Programming New Technologies
Mythology Movies OSINT

LANGUAGES

English ●●●●●
German ●●●●●
Russian ●●●●●

EDUCATION

M.Sc. Space Technology & Instrumentation

University Paul Sabatier III

August 2018 Toulouse (31)

M.Sc. Electronics & Signal processing

University Grenoble Alpes

July 2017 Grenoble (38)

Specialty: Electric systems

B.Sc. in Physics

Joseph Fourier University

June 2016 Grenoble (38)