

CURRICULUM VITAE

Ali Ravanbakhsh

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Affiliation	Max Planck Institute for Solar System Research (MPS), Göttingen, Germany
Role	Since 2022 (Oct): ESA JUICE mission –Submillimeter Wave Instrument (SWI) <ul style="list-style-type: none">• Project Manager and SW Operations and Ground segment Management team member
Key Skills, Interests	+10 years' experience in space projects SE, AIV/T, Environmental testing and PM, stakeholder management, good knowledge of ECSS standards, space PA and QA practices, multidisciplinary design optimization and requirements engineering
Soft skills	Leadership, teaming, conflict resolution, planning, controlling, problem solving and being a proactive team player

Education

- **2019: Project Management Professional (PMP)** certificate, Project Management Institute (PMI)
- **2014: Dr.Eng.**, Aerospace Engineering, **MDO and S/C design**, Universidad Politécnica de Madrid (UPM)
- **2010: M.Eng.**, Aerospace Engineering, **Space Structures**, Universidad Politécnica de Madrid (UPM)
- **2008: M.Sc.**, Aerospace Engineering, **Flight Dynamics and Control**, Amirkabir University of Technology
- **2005: B.Sc.**, Aerospace Engineering, Amirkabir University of Technology

Experience in space projects

Planetary Science Dept., Max Planck Institute for Solar System Research (MPS), Göttingen, Germany

2020 (Mar)– 2022 (Oct): ESA JUICE mission – Submillimeter Wave Instrument (SWI)

- AIV/T Manager (Phase D) and SWI Management team member Feb-2021 to Oct-2022

Institute for Experimental and Applied Physics / University of Kiel (IEAP/CAU), Germany

2012 – 2020: ESA Solar Orbiter mission –Electron Proton Telescope (EPT), High Energy Telescope (HET), and Supra-Thermal Electrons, Proton (STEP) from Energetic Particle Detector (EPD) consortium 🚀 Feb 10, 2020

- System engineer and AIV/T Manager (Phase C/D)

2019 – 2020: ESA Daedalus mission – Technical support for High Energy Instrument (HEI)

- Conceptual design support and Risk assessment (Phase O/A)

2017 – 2020: ESA Lagrange mission – Medium Energy Particle Spectrometer (MEPS)

- System engineer (Phase O/A), Project Manager (Jul 2019-Feb 2020), Cost management (Phase B2CD)

2016 – 2017: Chinese Chang'e-4 Moon Lander mission –Lunar Lander Neutron and Dosimetry (LND) 🚀 Dec 7, 2018

- Thermal and structural engineering and AIV/T support

Instituto Universitario de Microgravedad "Ignacio Da Riva" / Universidad Politécnica de Madrid (IDR/UPM), Spain

2008 – 2012: UPMSat2 university microsatellite project 🚀 Sep 3, 2020

System and structural design engineer (Phase O/A/B)