

## CURRICULUM VITAE

**Ali Ravanbakhsh**

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<b>Affiliation</b>	<b>Max Planck Institute for Solar System Research (MPS), Göttingen, Germany</b>
<b>Role</b>	Since <b>2022 (Oct): ESA JUICE mission – Submillimeter Wave Instrument (SWI)</b> 🚀 <b>April 14, 2023</b> <ul style="list-style-type: none"><li>Project Manager in transition to Ground Segment and Operations Manager</li></ul>
<b>Key Skills, Interests</b>	+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
<b>Soft skills</b>	Organization, communication, delegation, team building, conflict resolution, problem solving and being a proactive team player

### Education

- **2019: Project Management Professional (PMP)** certificate, Project Management Institute (PMI)
- **2014: Dr.Eng., Aerospace Engineering, Multidisciplinary Design Optimization (MDO) application to satellite 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 Sciences Department, Max Planck Institute for Solar System Research (MPS), Germany**

**2020 (Mar)– 2022 (Oct): ESA JUICE mission – Submillimeter Wave Instrument (SWI)** 🚀 **April 14, 2023**

- 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)