Subject: **Orbital Dynamics Engineer for Astroscale Israel**

Astroscale is the first private company with a vision to secure the safe and sustainable development of space for the benefit of future generations, and the only company solely dedicated to on-orbit servicing across all orbits.

Founded in 2013, Astroscale is developing innovative and scalable solutions across the spectrum of on-orbit servicing missions, including life extension, in-situ space situational awareness, end-of-life services, and active debris removal, to create sustainable space systems and mitigate the growing and hazardous buildup of debris in space. Astroscale is also defining business cases and working with government and commercial stakeholders to develop norms, regulations, and incentives for the responsible use of space.

Headquartered in Japan, Astroscale has an international presence with subsidiaries in the United Kingdom, the United States, Israel, and Singapore. Astroscale is a rapidly expanding venture company, working to advance safe and stable growth in space and solve a growing environmental concern. End of Life Services by Astroscale-demonstration (ELSA-d), the company's first on-orbit demonstration of debris capture and removal, is scheduled to take place in late 2020.

Astroscale Israel Ltd. (ASIL) is currently seeking a Guidance, Navigation and Control (GNC) engineer to develop orbital dynamics to join our team in Tel Aviv.

Duties & Responsibilities:
- Development of the spacecraft AOCS (Attitude, Orbit and Control System) GNC (Guidance Navigation and Control) systems, design and verification activities
- Develop control laws and algorithms – analysis, design, implement and validate (simulate) scenarios for space rendezvous and proximity operations & docking maneuvers
- Support development tests in simulators and robotic laboratory

Qualifications & Skills:
- B.Sc. in Aerospace Engineering /Physics
    o M.Sc. in Aerospace Engineering – advantage
- At least 2 years of experience with AGI STK
    o Experience with Astrogator – advantage
    o Experience with interface to MATLAB – advantage
- At least 2 years of experience as an AOCS or GNC systems engineer involved in either of the design, implementation and testing of GNC solutions for aerospace
- Experience in algorithm & control law development and implementation: use of MATLAB in GNC design and simulation, writing operational flight software
- Knowledge of sensors fusion, Kalman filtering

Astroscale

Job scope:
- Full time position
- Company office in Tel Aviv

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