



FACULTY POSITIONS IN HIGH-SPEED AIR-VEHICLE SCIENCES

The Department of Aerospace Engineering (AE) at the Technion – Israel Institute of Technology invites applicants for multiple tenured or tenure-track faculty positions at all ranks in areas related to high-speed (hypersonic) flight, as part of the new Technion Center for High-Speed Flight.

The AE Department at the Technion is dedicated to the creation, expansion, and dissemination of ideas and knowledge in the aerospace sciences, and is committed to fostering interdisciplinary research that can address the grand challenges facing our society. Founded in 1954, the AE Department at the Technion is the only academic entity in Israel dedicated to cutting-edge research and education in the aerospace sciences. Enrolling around 400 undergraduate and 150 graduate students, the department serves a strategic role for the nation, maintaining Israel's position as a leader in the global aerospace industry. The AE Department's research and educational achievements are also recognized globally, with the department currently ranked 16th in the world according to the 2020 Shanghai Ranking.

The department seeks individuals with outstanding potential for research achievements, who will provide inspiration to students and other faculty members, contribute proactively to both undergraduate and graduate level teaching, and add to the professional diversity of the academic community. The department is in the process of forming a center for high-speed flight, with dedicated experimental and numerical resources. Therefore, of particular interest are applicants involved in scientific disciplines related to supersonic and hypersonic flight domains. The non-exhaustive list of scientific expertise deemed relevant to the high-speed flight center have been identified as:

- Aerodynamics/aerothermodynamics
- Computational fluid dynamics
- Optical diagnostics for high-speed and reacting flows
- Multi-disciplinary design & optimization
- Aeroelasticity
- Aerospace materials and manufacturing technologies

Candidates will be expected to conduct independent world-class research, supervise graduate students and postdoctoral researchers, teach undergraduate- and graduate-level courses, and acquire external research funding. Applicants should have earned a Ph.D. or equivalent. A review of applications will be ongoing until available positions are filled. Interested candidates should submit their application package (consisting of a cover letter, curriculum vitae and list of publications, research statement, teaching statement, and contact details of at least five references) to:

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Technion – Israel Institute of Technology
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