

Flow Physics Laboratory – Research Opportunities

The Flow Physics Lab is looking for motivated MSc, PhD, and Postdoctoral candidates. Our research focuses on theoretical and computational investigations of flow physics, with a specific emphasis on instability and transition to turbulence. The common thread guiding our research is using a minimal number of elements to describe physical phenomena. Therefore, canonical settings, where effects of various parameters can be isolated, are often analyzed.

Investigations of flow physics provide us with guidelines for controlling the flow and avoiding undesirable phenomena (e.g. stall, noise, and vibrations), leading to safer, quieter and more efficient aerial vehicles with lower drag and fuel consumption.

Candidates should have strong fundamentals in fluid mechanics and mathematics. The ideal candidate will have self-learning abilities and an avid interest in understanding physical phenomena. High-level computer skills and experience with HPC platforms are desirable.

Candidates are expected to submit a brief cover letter along with their CV. Please contact me at mkarp@technion.ac.il for more information.

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