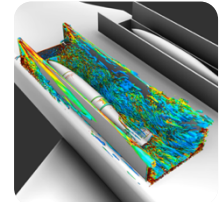
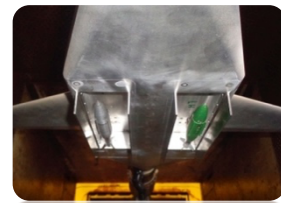




Looking for the Next Challenge in High-Speed Aerodynamics?

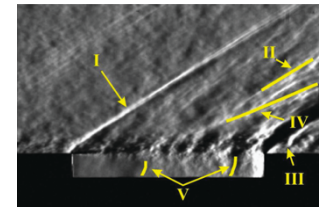
The Applied Aerodynamics & Aeroacoustics Research Lab (A³RL) is looking for **excellent M.Sc. and Ph.D. students** to join an exciting research opportunity that explores **supersonic cavity flow oscillations caused by three-dimensional boundary layers**.

This is your chance to study unique phenomena in next-generation aerospace systems, from scramjets to fighter aircraft weapon bays!



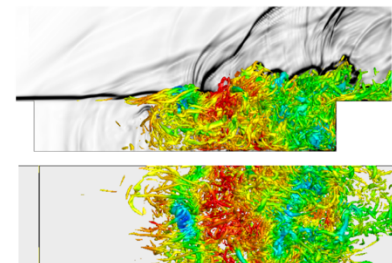
What You'll Do?

- Perform **cutting-edge CFD simulations** (LES & LBM) to study flow oscillation mechanisms in cavities with an incoming three-dimensional supersonic boundary layer.
- Conduct **experimental campaigns in the Technion's supersonic wind tunnel** to validate the computational models.
- Develop new predictive models for supersonic cavity flow oscillations with real-world implications.



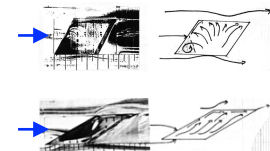
Why Join?

- Gain hands-on experience with **advanced CFD tools**, Cadence CharLES and Simulia PowerFLOW.
- Be part of a multi-faceted study bridging theoretical, computational, and experimental aerodynamics.
- Collaborate with a skilled research team
- Publish your work in leading journals and present at international conferences.



Background

- Numerical analysis, incompressible / compressible / viscous flow.
- Advantage – experience in CFD, turbulent flows, and flow diagnostics.



SCAN & APPLY
HERE

Interested?

Contact **Dr. Hadar Ben-Gida**

bengida@technion.ac.il

Applicants should provide a detailed CV + up-to-date transcript of current degree