

## Research at the Technion Arc-Tunnel facility

MSc and PhD positions available at the Arc-Tunnel facility

### Be a part of cutting-edge research on

- Arc-heated plasma diagnostics
  - Plasma spectroscopy
  - High-current and voltage measurements
  - Analytic calculations
- Hypersonic flow diagnostics
  - Laser interferometry
  - Shadowgraph imaging
- Hypersonic flow simulations
  - Run simulations on commercial codes such as COMSOL and FLUENT
  - Develop in-house custom-made codes for specific experiments
  - Combine fluid-dynamics with plasma physics
- Thermal protection systems for hypersonic flight
  - Test special materials for thermal protection systems
  - Run experiments and simulations on material ablation
  - Study materials exposed to extreme temperatures

### TECHNION ARC-TUNNEL FACILITY

