



Be Part of the Future of Aerospace Propulsion!

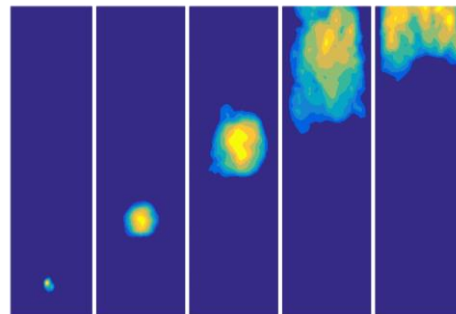
Looking for MSc and PhD students to work on **Combustion Science**



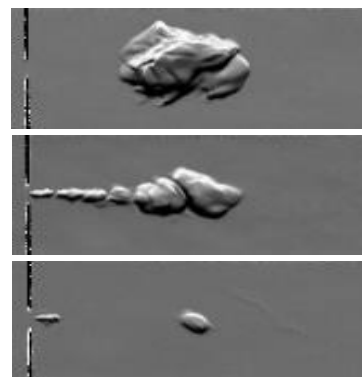
Ignition is one of the most challenging parts of high speed propulsion systems. Our group conducts multi-disciplinary research using **Nanosecond-pulsed High-frequency Discharge (NPHFD) Plasma** to study and drastically improve combustion efficiency and enhancing ignition in gas turbines and advanced high-speed engines such as ramjets and scramjet.



High-speed Combustion



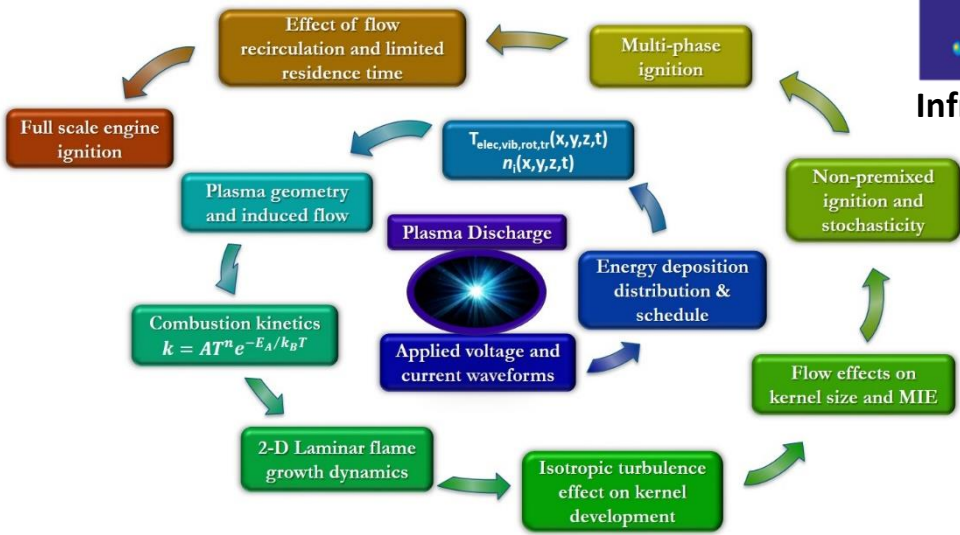
Infrared Radiation Spectroscopy



High-speed Schlieren

NPHFD Ignition Tunnel

- Capable of high speed and high temperature flow
- High speed infrared radiation spectroscopy
- High speed schlieren imaging system
- Collaboration with US Air Force Research Laboratory
- Funded by the Israel Science Foundation and MAFAT



Interested in joining the Combustion and Diagnostics Group? Email: joseph.lef@technion.ac.il