

Combustion for Propulsion and Power Laboratory

Dr. Sina Kheirkhah leads the Combustion for Propulsion and Power Laboratory at the University of British Columbia's Okanagan campus. Dr. Kheirkhah's group aims to develop knowledge for turbulent combustion science and technology for gas turbine engine combustors. Recent contribution to the first area is Dr. Kheirkhah's group measurements that address the internal structure of highly turbulent premixed hydrogen-enriched flames [1]. Through a Mitacs program, with Siemens Canada Ltd., Dr. Kheirkhah is developing next generation of gas turbine engine combustor injectors. He currently holds several grants from Canada Foundation for Innovation, NSERC former CRDs, and internal contracts with National Research Council Canada experimentally investigating turbulent hydrogen-enriched natural gas combustion, liquid fuel combustion, thermoacoustics, and supersonic flows. Dr. Kheirkhah's group include 3 PhD students and 6 Master's students, with two of them recently graduated.



THE UNIVERSITY OF BRITISH COLUMBIA
Clean Energy Research Centre

