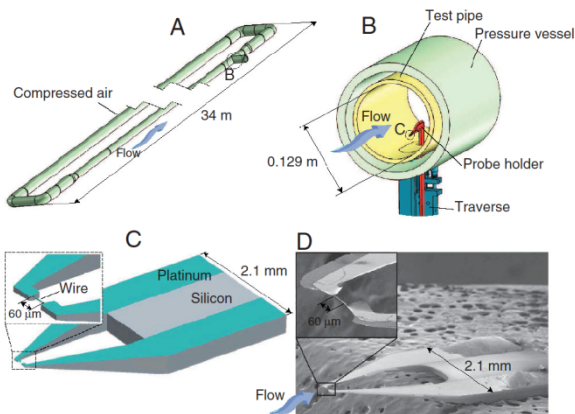


Turbulence at Extreme Reynolds numbers



Supervisors: Professor Ivan Marusic (Australian Laureate Fellow, University of Melbourne) and Prof Alexander J. Smits (Princeton University)

Location: The PhD study will be conducted at The University of Melbourne. A part of the project will be carried out at Princeton University.

Project description: The PhD project will involve using the newly developed NSTAP (Nano-scale thermal anemometry probe) in the two leading international facilities for the study of high Reynolds number turbulence: the Princeton Superpipe and the Melbourne wind tunnel (HRNBLWT).

Student performance requirement: GPA of 8.5/10 or better. Applicants must belong to the top 25% of the student cohort.

Please note: the applicant must discuss with the nominated supervisors before finalising the project proposal to be submitted to the University of Melbourne. This proposal is dedicated to IIT Kanpur educated students only. The scholarship covers tuition and living expenses to work on the project. Applicants are not required to do any teaching. Duration of the PhD is 3-3.5 years and applicants can be admitted to the PhD candidature after the completion of a Masters degree or 4 year Bachelors degree at IIT Kanpur.

Rankings: The Melbourne School of Engineering is Australia's No. 1 engineering and technology school and No. 25 in the world.*

Website: www.eng.unimelb.edu.au

* Times Higher Education World University Rankings 2011-2012.