

Tenure-track Assistant/Associate/Full Professor in Thermodynamics, Heat Transfer and Energy Conversion in the Department of Mechanical Engineering, National University of Singapore (NUS)

The Department of Mechanical Engineering, NUS, invites applications for a tenure-track Assistant Professor/Associate Professor position in the area of **Thermodynamics, Heat Transfer and Energy Conversion so as to strengthen our capability** in thermal sciences and management, energy conversion and storage, air conditioning, combustion, propulsion and portable clean power.

The NUS Mechanical Engineering Department has 72 full-time tenured and tenure-track faculty members, over 130 research staff members, 1300 undergraduates, and 200 graduate students. Many of our graduates have gone on to leadership positions in both academia and industry. The Department has been consistently ranked amongst the top ten in the world; further information can be found in <http://www.me.nus.edu.sg>.

Interdisciplinary research collaboration is strongly encouraged and ample funding opportunities exist through competitive grants that promote R&D. The Department has a strong affiliation with major research centres such as the Centre for Energy Research & Technology (CERT), Advanced Robotics Centre (ARC), Centre for Offshore Research & Engineering (CORE), Centre for Protective Technology (CPT), and several national research institutes in the field of materials engineering, advanced manufacturing, and nanotechnology and nanoscience.

The Department is seeking dynamic and creative candidates, who hold a doctorate in any of these disciplines such as thermodynamics, heat transfer, energy conversion systems, micro-portable power and microfluidics from a reputable university. A senior faculty candidate would be expected to have a strong sponsored research and publication record, be highly experienced in teaching and mentoring, and providing leadership and vision. A junior faculty candidate would have demonstrated significant creativity and independence. Postdoctoral experience is highly desirable. The successful candidate must be able to teach effectively at both the undergraduate and the graduate levels in the above disciplines and develop an active externally sponsored research programs.

The remuneration package is internationally competitive, with a flexible wage system, composing of an annual base salary and a performance bonus

component for good performers. Faculty members who are not Singapore citizens or Singapore Permanent Residents may receive, in lieu of provident fund benefits, a monthly Special Payment for Foreign Staff, and subsidized housing benefits.

Newly recruited faculty members are eligible for start-up grants to facilitate the establishment of their research programme.

Singapore is a stimulating place to live and work. It unites a multicultural population in a cosmopolitan city with a pleasant and safe environment. The mixture of Asian roots with strong European and American elements and an essentially English speaking society provides people from all nationalities with an optimal basis for integration. For convenient travelling, Singapore's major aviation hub provides a variety of direct and non-stop connections to almost all parts of the world. Further information about Singapore can be accessed at <http://www.contactsingapore.org.sg/>.

Application Deadline: Applications are open until the positions are filled.

Interested candidates should send their detailed curriculum vitae, copies of transcripts, statements of research and teaching interests and professional goals, and the names of six references (including main PhD supervisor) with contact details to:

The Search Committee
Department of Mechanical Engineering
National University of Singapore
Block EA, #07-08
9 Engineering Drive 1
Singapore 117576
Email: mpesec@nus.edu.sg