

(Educator-Track) Faculty Position in Energy and Bio-Thermal Systems

The Department of Mechanical Engineering (<http://www.me.nus.edu.sg>) at the National University of Singapore (<http://www.nus.edu.sg>) invites applications for a **non-tenurable track appointment** as a **Lecturer / Senior Lecturer (Educator Track)** in the area of Thermodynamics, Energy and Process design.

Candidates must have academic credentials and experience commensurate with the rank that they are applying for. Successful candidate will be required to teach and develop core courses at both undergraduate and postgraduate level. Areas of particular interest from the applicant are:

- (i) Heat and mass transfer for cooling, heating and thermal desalination systems,
- (ii) Classical and statistical thermodynamics for gaseous and liquid phases,
- (iii) Sorption thermodynamics and adsorbent characteristics,
- (iv) Solar thermal and PV system designs,
- (v) Advanced numerical techniques in FORTRAN and IMSL platforms for process design, and versatile in process controls and 3-D modelling.

Starting salary depends on experience and qualifications and will be competitive.

All applicants must possess a doctoral or PhD degree in the above-mentioned discipline of engineering and demonstrate potential for strong teaching activities. Candidates with experience in curriculum development and pedagogical innovation are preferred. To apply, please indicate the rank that you are applying for and send: (i) Detailed Curriculum Vitae; (ii) Statement of Teaching philosophy, including goals and approaches; (iii) Evidence of effective teaching (*eg, student feedback and peer reviews of teaching*); (iv) list of six referees (*including main PhD supervisor*) with contact details; and [NUS Personal Data Consent for Job Applicants](#) to:

Search Committee on Energy and Bio-Thermal Systems

Department of Mechanical Engineering

National University of Singapore

Blk EA, #07-08

9 Engineering Drive 1, Singapore 117575

E-mail: mpesec@nus.edu.sg

(Only shortlisted candidates will be notified.)