Full-time Tenure Track Faculty Position in Urban Studies and Policy (Spatial Data Science)

Overview

The Humanities, Arts, and Social Sciences (HASS) cluster at the Singapore University of Technology and Design (SUTD) seeks applicants for a full-time, open rank tenure-track faculty position. An appointment will be made on an initial 3-year contract with the possibility of renewal. Applicants should have a focus on (spatial) data science, urban informatics, or other computational social science approaches to studying urban topics, issues, and solutions, including urban (social) network analysis, smart mobility and building management, built environment and public health/wellbeing, urban systems and climate change and sustainability, or the complex interrelations between technology and the city. An interest in Asian cities or comparative urbanism is desirable.

The selected candidate will strengthen the HASS cluster and collaborate with colleagues across SUTD that work on similar topics from architecture, engineering, design, and computer science perspectives. The selected candidate will also play a vital role in teaching computational methodology in the MSc in Urban Science, Policy and Planning (MUSPP) programme as well as contributing to SUTD’s interdisciplinary undergraduate education. This position is part of a broader university-wide focus on ‘Cities,’ ‘Artificial Intelligence,’ and ‘Sustainability.’

Requirements

- Ph.D. in Urban Planning, Real Estate, Geography, Systems Engineering, Computer Science, Environmental Science, Economics, Public Policy, Political Science, or related fields;
- Expertise in spatial data science, urban informatics, and big data applications for urban issues;
- Knowledge of statistics package and geographic information systems (GIS);
- Proficiency in programming languages (e.g., R, Python, CSS, JavaScript);
- Teaching experience in spatial data analysis, and/or visualization – preferred;
- Strong publication records in relevant fields; &
- Motivated to work in Singapore’s multinational, multidisciplinary, & cutting-edge research environments.

Responsibilities

The successful candidate will strengthen the department’s research and educational focus on urban issues and play a key role in developing SUTD’s MUSPP Programme.

- Advancing research activities (e.g., grant applications, field studies, data analyses, publications), in collaboration with SUTD’s faculty members, external researchers, and industrial partners.
- Teaching spatial data science-related subjects (in particular, quantitative methodologies) across HASS (undergraduate) and MUSPP (graduate)
- Supervising MUSPP (graduate) students’ independent research projects
Developing and managing the curriculum and relevant service of MUSPP, as well as HASS

About the University and Program

The Singapore University of Technology and Design (SUTD) was established in 2009 in collaboration with the Massachusetts Institute of Technology (MIT), to advance knowledge and nurture technically-grounded leaders and innovators to serve societal needs. SUTD has set aside a multimillion-dollar budget to spearhead our next phase of growth in three key economic sectors (Cities, Aviation, and Healthcare) supported by capabilities in Artificial Intelligence/Data Science. ([https://sutd.edu.sg/About-Us/SUTD-Growth-Plan](https://sutd.edu.sg/About-Us/SUTD-Growth-Plan)).

The Humanities, Arts and Social Sciences (HASS) cluster is a vibrant community of research scholars and educators. Recognizing the value of a multi-dimensional education for success in every field of endeavor, HASS provides SUTD students with grounding in the methods of social and cultural inquiry, in rigorous evaluation of truth claims and in informed decision-making. By offering learning experiences that integrate the disciplines of the humanities, arts and social sciences with SUTD’s engineering and architecture pillars, HASS encourages students to acquire the capacity for self-reflection and critical thinking in order to nurture leaders deeply aware of the social role and impacts of innovations in the fields of technology and design ([https://hass.sutd.edu.sg/](https://hass.sutd.edu.sg/)).

The Master of Science in Urban Science, Policy and Planning (MUSPP) is a 12-month intensive programme featuring an integrated, hands-on curriculum designed and taught by SUTD’s multi-disciplinary faculty – aimed at training the next generation of urban researchers, analysts and practitioners who are well grounded in urban theory, skilled in urban data and analytics, and adept at urban policy and planning. The MUSPP programme responds to a new paradigm of rapidly expanding, globally connected cities and enables students to develop novel solutions to urban challenges for the 21st century ([https://urbanscience.sutd.edu.sg/](https://urbanscience.sutd.edu.sg/)).

To Apply

Candidate should submit the following materials to hassjobs@sutd.edu.sg:

- A cover letter
- A statement of current and future research plans
- A statement of teaching experience and philosophy
- A 500-word description and selected bibliography of up to ten readings for two courses you may wish to offer
- A curriculum vitae
- Two representative publications (e.g. articles, book or dissertation chapters, or works in progress)
- Names, affiliations and email addresses of three referees

For your application, please indicate “HASS (Urban Studies and Policy) 2021 Search” in your email subject line. Full consideration will be given to applications received by 15 October 2021, though we will accept applications until the position is filled.

For more information about these positions, please contact hassjobs@sutd.edu.sg.

Updated: On 16 August 2021, Singapore Standard Time