

**Tenure track Position at the College of Engineering,
Division of Mathematical and Systems Engineering, Shizuoka University, Japan**

College of Engineering, Division of Mathematical and Systems Engineering, Academic Institute (Mathematical and Systems Engineering Course, Department of Engineering, Graduate School of Integrated Science and Technology, and Department of Mathematical and Systems Engineering, Faculty of Engineering) invites applications for a five-year tenure track assistant professor position with financial support for research. Aiming at development of innovative mathematical and systems engineering, the Division of Mathematical and Systems Engineering, College of Engineering seeks candidates who conducts research on the analysis and modeling of real-world data about the environment, transportation systems, distribution systems, communications, production systems, medical services, language, human behaviors, etc. by applying statistical/computational modeling or statistical machine-learning technique for designing various information or social systems and innovative services.

Tenure track system at Shizuoka University aims to provide promising young researchers with opportunities to promote their scientific careers, and to nurture their talents and skills in research, leadership, management, and education. Holders of tenure track positions are expected to primarily undertake scientific research in their respective fields. However, since eventually they will also undertake teaching responsibilities, tenure track program includes duties to guide thesis projects of students. Holders of tenure track positions are promoted to tenured positions upon successful completion of tenure track program. Extremely competent individuals may be promoted to tenured positions even earlier. After granted tenure, the applicant is required to teach graduate and undergraduate courses in statistics, mathematical modeling, and application technologies related to statistics and modeling.

Shizuoka University is committed to equal employment opportunities regardless of nationality, race, gender, or religion.

1. Job Description

Field	Keywords	No. of Positions	Contacts
Mathematical / Information Science	Statistical science Data Science Machine learning Optimization	Assistant Professor (1 position)	Professor Susumu ISHIHARA E-mail: ishihara.susumu@shizuoka.ac.jp

* See 4. Qualifications for further detail

2. Starting date

The successful candidate is expected to start on April 1, 2020, or on the earliest possible date after this day.

3. Job description

(1) Duration

Five years from the start of employment.

If there are unavoidable circumstances such as maternity leave, it is possible to extend the period to no longer than 10 years.

(2) Assessment of Tenure track Positions

Performance of the tenure track position holder will be evaluated on a regular basis. The assessment will be aimed at evaluating his/her capabilities in scientific research, leadership and management, acquisition of competitive research funding, and providing

teaching and tutorship for Bachelor/Master course students. The assessment will take into account the original research plan, mid-term and final research goals submitted at the start of employment, and results of interviews. The assessment will be scheduled as follows:

- 1) Yearly evaluation will take place at the end of first, second, and fourth years.
- 2) Interim assessment will be conducted within the month following expiry of two and a half years since the start of employment.
- 3) Final assessment will be conducted within the month following expiry of four and a half years since the start of employment.

*Successful assistant professor will be promoted to lecturer or associate professor and acquire tenure until the retirement age (currently 65 years old).

(3) Remuneration: Annual salary system.

- 1) Allowances, including those for dependents, administrative, housing, commutation, extra work, overtime and late-night work will be provided in accordance with the Shizuoka University guidelines.
- 2) Relocation expenses will be covered in accordance with the Shizuoka University guidelines.

(4) Research Support

- 1) During the first year, a start-up fund of 3 million 5 hundred thousand yen and an independent research space will be provided. During the second year, research fund of 1 million 4 hundred thousand yen will be provided. During the third, fourth and fifth years, research fund of 7 hundred thousand yen per annum will be provided.
- 2) The successful candidate shall conduct his/her research under the guidance of mentor/research advisor.
- 3) It is possible that the research fund may be changed by the situation of a future budget.

(5) Primary Responsibility

In addition to the research related to the above field, supervising practical and experimental subjects for undergraduate students (programming basics, programing contest, advanced lab in systems engineering, etc.) and advising undergraduate and graduate students on their research.

Candidates should have sufficient communication skill in Japanese language to carry out undergraduate educational duties.

Applicants must have enthusiasm for research and education in the emerging field of Mathematical and Systems Engineering. Approximately 70% of efforts during the period of the employment will be focused on research.

(6) Place of work

The successful candidate shall be assigned to work at Hamamatsu Campus of Shizuoka University (Hamamatsu City, Shizuoka Prefecture, Japan).

4. Qualifications

- (1) Applicants must have been conducting outstanding research in the relevant fields.
- (2) Applicants must possess a doctoral degree obtained within ten years as of April 1, 2020, or have promise to obtain it by the start of employment.

5. Documents for Submission

- (1) Application form (curriculum vitae, photograph, past achievements and research funds. The 5-year impact factor of 2018 should be quoted from “Journal Citation Reports.”)..... **FORM 1** ([word](#), [pdf](#)).

- (2) Summary of previous research (two A4 size pages).....**FORM 2** ([word](#), [pdf](#)).
- (3) Copies of up to five most important scientific publications (journal articles, books).
- (4) Plan of proposed research for five years' period (two A4 size pages)
.....**FORM 3** ([word](#), [pdf](#)).
- (5) Ambition for teaching in Shizuoka University (one A4 size page)
.....**FORM 4** ([word](#), [pdf](#)).
- (6) One letter of recommendation or names and contact information of two persons who can be contacted in reference to your work.

The electrical file (PDF) of (1) to (5) must be saved to an electric media (CD/DVD/USB) and submitted.

In addition, Forms 1-4 must be filled in English or in Japanese and printed one-side on A4 size paper.

The above documents (Paper (1)-(6), PDF (1)-(5)) must be sent by registered mail to the mail address shown below.

Please mark the envelope “Application forms for tenure track assistant professor” using red pen. Submissions by e-mail are not acceptable. The submitted documents and electric media will not be returned to the applicants.

6. Deadline

Applications must reach the office by 5 p.m. October 31, 2019, Japan time.

7. Selection Procedure

- (1) Document Review – in the middle of November, 2019
- (2) Interviews –at the end of November-December, 2019. Only those who have passed the document review will be notified for an interview. Travel expenses will not be reimbursed. The interview will be conducted mainly in Japanese.
- (3) Selection is done by considering achievements, future prospects, and enthusiasm for research and education. If several applicants have similar abilities, then female or foreign applicants, or applicants with disability will get an advantage. Temporary suspension of research due to maternity or childcare leave in your work record will not be a disadvantage for selection. State clearly in FORM1 if this applies to your situation.

8. Mail address for the application

Tenure Track Support Team, Shizuoka University
Shizuoka University, Japan
3-5-1 Johoku, Naka-ku, Hamamatsu 432-8561, Japan