

## More Information

### The following subjects are preferred

1. Integrated microwave photonics, photonic devices based on III-V semiconductor
2. Nano photonic devices, silicon photonics, photonic transmission and switching
3. Video coding, image processing, content analysis, video data machine learning
4. Multimedia communication, novel media-service based network architecture design
5. Wireless communication, signal processing
6. Intelligent networking, social network evolution, intelligent search system algorithm
7. Micro-electronics technology, carbon nano-electronic device technology
8. Analysis and design of hybrid digital and RF circuits, adaptive antenna baseband architecture and hardware/software implementation
9. Imaging radar, polarization processing, target recognition
10. Understanding and interpreting of SAR Images

The search process will continue until positions are filled. Application materials should include a complete curriculum vita, statements of research and teaching goals, and the names of three or more references.

## Contact

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Department of Electronic Engineering  
Shanghai Jiao Tong University

## Faculty Positions in Electronics Engineering Department of Shanghai Jiao Tong University

To further improve the research impact of Department of Electronic Engineering (EE Dept.) in School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University (SJTU), we now have faculty positions opening for tenure-track Assistant Professors and Associate Professors, tenured Associate Professors and Professors.

The research areas of the applicants may include information, electronics and photonics related areas. Successful candidates may join different groups in EE Dept. to work with a team or work independently as a PI. Successful candidates will also be provided with competitive salaries, support of laboratory initiation and housing benefits.

## Introduction of EE Dept. of SJTU

Department of Electronic Engineering in School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University (Ranking at No. 62 in QS world university ranking system 2018), has two primary disciplines including 'Information and Communication Engineering' and 'Electronic Science and Technology'. Both have doctorate authorization with post-doctoral research stations. Four subordinate disciplines include 'Communication and Information System', 'Signal and Information Processing', 'Circuits and Systems', and 'Electromagnetic Field and Microwave Technology'. The last two are National key disciplines.

The main research fields in Department of Electronic Engineering include: optical fiber communication and sensor, image processing and communication, wireless communication and signal processing, intelligent social networking, artificial intelligence, image radar and target recognition, IC design, microwave RF circuit and antenna technology, integrated and microwave photonics, fiber sensor, microelectronics, carbon nano electronic device and so on.

The state/ministry/province-level key laboratories in EE department:

- State Key Laboratory of Advanced Optical Communication Systems and Networks
- National Engineering Research Center of Digital Television
- National Engineering Laboratory for Information Content Analysis Technology Network
- National Engineering Laboratory for TFT-LCD Materials and Technologies Networks
- MOE Key Lab for Research of Design and Electromagnetic Compatibility of High Speed Electronic Systems
- Shanghai Key Laboratory of Intelligent Control and Recognition
- Shanghai Key Laboratory of Navigation and Location Based Service

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## Position Description

### Requirements

- Tenure-track assistant professor candidates must have an earned doctorate, excellent academic credentials. Candidates with PhD degree achieved from the world top-100 universities, China C9 universities or top-three disciplines are preferred.
- Tenure-track associate professor candidates must have an earned doctorate, excellent academic credentials. Additional 3 years' post-doctoral or professional service in world top-level research institutions are required.
- Mid-career candidates (tenured associate professor or tenured professor) must be established leaders in their fields; exhibit strong records of teaching, publication, and funded research; and demonstrate participation in interdisciplinary collaborations.

The school will recommend qualified candidates for the application of One Thousand Talent Program for Young Outstanding Scientists.

### Yearly salary package

- Tenure-track assistant/associate professor: 210-260K RMB + annual bonus based on performance
- Tenured associate professor: 300K RMB + annual bonus based on performance
- Tenured professor: 380-400K + annual bonus based on performance
- Housing benefits will be provided by university and there is additional support for laboratory initiation.

The successful candidates who achieved **One Thousand Talent Program for Young Outstanding Scientists** will receive special funding from the university and will **have equivalent salary with the tenured professor** and additional housing benefits from Shanghai government will be provided.