Guidelines for Candidates of "6G Rising Star · Ph.D."

of Global 6G Conference 2026

The "6G Rising Star · Ph.D." selection aims to identify outstanding current doctoral students or recent doctoral graduate (who graduated within 3 years) in the 6G field with solid academic foundation, original research capabilities and growth potential, so as to help cultivate the core reserve force for future 6G technological innovation.

The application requirements are as follows:

I. Requirements for Applicants

1. Background Requirements

Current doctoral students (who have passed the doctoral qualification assessment and entered the core research stage of their research projects) or doctoral graduates (who graduated within 3 years) in 6G-related fields from universities and scientific research institutions around the world.

2. Academic Ethics

No records of academic misconduct (including but not limited to data falsification, plagiarism, duplicate submission, etc.). All declared achievements shall comply with academic norms, and the intellectual property rights shall be clear and free of disputes.

3. Alignment with Research Directions

The core research focuses on the key technology fields of 6G, including but not limited to the following areas:

- Fundamental theories such as electromagnetic information theory(EIT), modulation and coding technologies
- Channel measurement, modeling and digital twin technology
- Novel antennas system design and optimization technology
- New intermediate frequency and ultra-massive MIMO technology
- AI-native and autonomous 6G systems
- Agent communication for 6G
- Semantic communication and signal processing technology
- Integrated sensing, communication, Computing Architecture and key Technologies
- Integrated multi-modal sensing and communication
- Key technologies of digital twin networks
- Future Satellite Internet
- Key technologies of low-altitude intelligent networks
- 6G security, privacy and trust
- New materials and key devices

II. Collection and Selection Process

1. Online Registration and Material Submission (October 10 - December 10)

(1) Applicants are required to submit the following materials:

- Personal resume

- Thesis topic and content abstract (within 500 words)
- Detailed elaboration of the thesis content (the thesis must be published for the first time)
- Supporting materials for relevant academic papers or technical cases
- Requirements for the paper

The paper should be written in English with a maximum paper length of six (6) printed pages (10-point font including figures). Standard IEEE conference templates for LaTex format and Microsoft Word (A4 and US letter)can be found at http://www.ieee.org/conferences_events/conferences/publishing/templates.html. Only PDF files will be accepted for the review process and all submissions must be done through the official website of Global 6G Conference (www.g6gconference.com) – [Call for Submissions] - [6G Rising Star Selection] – to check the specific requirements, download the application form, and submit the materials through the designated entry.

2. Formal Review (December 10 - December 15)

The Secretariat will screen the submitted materials and eliminate applications that do not meet the collection requirements.

3. Expert Review (December 15 - December 31)

A review panel will be established by inviting industry experts, organized by the Global 6G Technology and Industry Ecosystem Conference to conduct a comprehensive evaluation of the academic quality of the submitted papers,

research innovation capabilities, research practice performance and academic development potential.

4. The list of selected candidates will be announced on the conference official website at the end of December.

5. Selection Criteria

Academic Achievement Quality (40%): Focus on the academic height, rigor and influence of the research achievements during the doctoral period, with emphasis on evaluating the actual supporting role of the achievements in 6G field research. It includes the theoretical value of academic achievements (proposing new explanations for key scientific issues in 6G or constructing optimized theoretical models in segmented scenarios), technical value (proposing improvement plans for 6G technology) and application value (achievements being included in national 6G special research reports, etc.), as well as the influence of academic achievements.

Research Innovation Capability (30%): Focus on the innovative perspective, problem-solving ability and exploration depth in 6G research, with emphasis on the originality and practicality of the achievements. It includes original innovation (proposing new concepts or methods in the 6G field to break the limitations of traditional technical paths) and scenario-based innovation (proposing customized solutions for specific 6G scenarios and verifying their scenario adaptability). Theoretical innovation must verify feasibility through mathematical proof or simulation experiments; technical innovation must

complete the construction of a prototype system or the testing of a simulation platform, and provide complete performance comparison data.

Research Practice Performance and Academic Development Potential (30%): Based on research practice experience and academic exchange performance, evaluate the doctoral student's research execution ability and academic integration, including the depth of participation in core 6G research projects and the communication and recognition in international academic conferences in the 6G field. Focus on the doctoral student's future development space and innovation sustainability in the 6G field, including having the ability to independently solve scientific research problems, having the preliminary ability to transform academic achievements, and having a clear 3-year future research plan that focuses on key nodes of 6G technology evolution and is in line with the development trend of the field.

III. Benefits for Selected Candidates

1. Selected candidates will be invited to give a 15-minute keynote speech at the "6G Rising Star · Ph.D." special session of the 2026 Global 6G Conference.
2. Selected candidates will be awarded the title of "6G Rising Star · Ph.D.", and the award certificate will be issued at the main forum of the conference.
3. The selected Candidates of "6G Rising Star · Ph.D." will be invited by the organizing committee to submit manuscripts to Frontiers of Information

Technology & Electronic Engineering (FITEE), a journal of the Chinese Academy of Engineering. The manuscripts will be published after passing the review process, with the sole requirement that they have not been previously published in any domestic or foreign journals.

4. Cooperative media of the conference will conduct on-site interviews and post-conference video interviews with the selected candidates. The speech content will be widely promoted through platforms such as the conference official website and official WeChat Channels.