# 中科院上海微系统所2017-2018年度海内外高层次人才招聘

2017-2018年度中国科学院上海微系统与信息技术研究所海内外高层次人才招聘工作已经启动，我们诚邀海内外优秀人才加盟，共同打造国际一流研究所，创造辉煌未来。

## 招聘对象

1．符合国家“千人计划”、“青年千人计划”、上海市“千人计划”、中国科学院 “百人计划”等**人才计划**要求的优秀人才；

2．海外知名高校及科研机构的优秀中青年学者、博士、博士后。

**特别说明：两类招聘对象符合下述招聘方向或招聘岗位的，如果符合人才计划申报条件的可以申报人才计划，不符合人才计划申报条件的可以直接以博士或博士后引进。**

**二、招聘方向**

1、智能感知微系统

2、超导量子器件与电路

3、高端硅基材料与器件

4、宽带无线通信技术与装备

5、微纳传感技术与器件

6、相变存储器及其应用

7、太赫兹固态技术

8、类脑芯片与仿生视觉

**三、2017-2018年度招聘岗位**

| **招聘部门** | **岗位** | **主要研究方向和工作内容** | **任职条件** |
| --- | --- | --- | --- |
| 国家传感技术联合重点实验室 | 微纳生化传感系统研发 | 1、用于临床诊断或环境监测的微纳生化传感系统研制。 | 1. 学历：博士或博士后；
2. 从事传感技术/纳米生物专业研究；
3. 具有3年及以上相关海外科研工作经历。
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| 国家传感技术联合重点实验室 | 传感材料与器件研究 | 1. 危险化学品超灵敏快速识别研究;
2. 新型敏感材料设计、制备以及原理性传感器研制。
 | 1. 学历：博士或博士后；
2. 从事材料/微电子学与固体电子学/有机化学专业研究；
3. 具有3年及以上相关海外科研工作经历。
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| 国家传感技术联合重点实验室 | 传感器与微纳加工技术 | 1、针对国家对传感器的重大需求，在本领域内开拓新的研究方向。 | 1. 学历：博士或博士后；
2. 从事微电子/微纳加工技术研究；
3. 具有3年及以上相关海外封装企业工作经历。
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| 中科院太赫兹固态技术重点实验室 | 太赫兹技术研究 | 1. 半导体太赫兹固态辐射源、探测器、太赫兹固态倍频源以及太赫兹通信与成像等应用研究
 | 1. 学历：博士或博士后；
2. 从事太赫兹光子学或毫米波电子学研究
3. 具有3年及以上相关海外科研工作经历。
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| 中科院无线传感网与通信重点实验室 | 智能交通研究 | 1. 智能交通传感器、组网关键技术研究
2. 智能交通系统设计、验证与标准化
 | 1. 学历：博士或博士后；
2. 从事通信、微电子相关专业研究；
3. 具有3年及以上相关海外科研工作经历。
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| 中科院超导电子学卓越创新中心 | 超导电子学研究 | 1. 超导量子器件（SNSPD, SQUID, TES等）及其应用研究；
2. 超导集成电路、超导计算机、超导量子计算/模拟研究；
3. 新原理超导器件与电路研究。
 | 1. 学历：博士或博士后；
2. 从事物理电子学等相关专业研究；
3. 具有海外科研工作经历者优先。
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| 仿生视觉系统实验室 | 机器人视觉研究 | 1、机器人视觉、图像处理研究 | 1. 学历：博士或博士后
2. 从事计算机视觉、机器人视觉、图像处理、模式识别、认知科学等相关专业研究；
3. 具有3年及以上相关海外科研工作经历。
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**四、申报人才项目基本条件：**

**1、国家“千人计划”创新人才（长期或短期）**

（1）取得博士学位；（2）年龄不超过55岁；（3）在国外著名高校、科研机构担任相当于教授职务或者在国际知名企业担任高级职务的专业技术人才；（4）创新人才长期引进后须全职在所工作3年以上；创新人才短期引进后须在所连续工作3年以上，每年不少于2个月。

**2、国家“千人计划”青年人才**

（1）年龄不超过40岁；（2）具有博士学位，在海外知名高校、科研机构或者知名企业研发机构有正式教学或者科研职位，取得博士学位后在海外连续工作36个月以上；（3）引进后须全职在所工作3年以上。

**3、国家“千人计划”外国专家**

（1）非华裔外国专家；（2）年龄不超过65岁；（3）在国外著名高校、科研机构担任相当于教授职务或者在国际知名企业担任高级职务的专业技术人才；（4）引进后须全职在所工作3年以上。

**4、上海市“千人计划”创新人才**

（1）取得博士学位（2）年龄不超过55周岁，（3）在国外著名高校、科研机构担任相当于副教授职务或者在国际知名企业等机构担任重要职务的专业技术人才。（4）引进后须全职在所工作3年以上。

**5、中国科学院“百人计划”-学术帅才（A类）**

（1）具有在海外知名大学、国际知名科研机构或企业担任教授及相当职位的任职经历；（2）在本学科领域有较深的学术造诣，具有广泛的国际学术影响力，受到国际同行的普遍认可；（3）年富力强，具有领军才能和团队组织能力。

**6、中国科学院 “百人计划”-技术英才（B类）**

（1）掌握关键技术，在海外从事工程技术类研发，或从事重大科学装置建设、仪器设备研发等相关工作3年（含）以上的中青年杰出人才；(2) 能够解决关键技术问题、推动技术创新，并取得过一流成果。

**7、中国科学院“百人计划”-青年俊才（C类）**

（1）具有博士学位，在海外知名大学、科研机构等学习或工作3年（含）以上的优秀青年人才；申报时取得博士学位时间未超过5年；（2）达到研究员岗位要求的学术水平，有能力带领团队在本领域开展研究并做出具有国际水平的创新成果。

**五、 提供支持**

1. 符合人才计划要求者，研究所将全力支持和协助申请国家“千人计划”、上海市“千人计划”、中国科学院“百人计划”。

2.人才计划入选者按照规定可享受国家、上海市、中科院和我所科研经费和生活补助经费。

3.对于引进人才，研究所将提供富有竞争力的薪酬待遇，包括社会保险、住房公积金、住房补贴等；按照上海市政策规定办理本人、配偶及子女落户。

4. 提供人才周转公寓及必要的办公和实验室用房、经费支持。

**六、联系方式**

联系人：李老师 联系电话：021-62511070-5701； E-mail: lihua@mail.sim.ac.cn

更多信息请登录http://www.sim.cas.cn/rczpw

**A Sincere Invitation to Overseas High-level Talents from SIMIT-CAS**

Overseas high-level talent recruitment work of Shanghai Institute of Microsystem and Information Technology (SIMIT) of Chinese Academy of Science (CAS) in 2017-2018 has been launched, we sincerely invite talents at home and abroad to join together to build a world-class research institute and create a brilliant future.

**We are looking for:**

1、 Candidates who meet the requirements of the Innovative Talents of “The Thousand Talents Plan”, Young Professionals of “The Thousand Talents Plan”, “The Thousand Talents Plan” of Shanghai. “Hundred Talents Program” CAS;

2、Outstanding young and middle-aged scholars, doctors and post-doctors form well-known foreign universities and research institutes.

**Special Note:**

Two types of candidate ，who meet the **Research directions** or **Job description**, can apply for it if you meet the “**Talents Plan** ”，can apply for doctoral or postdoctoral if you can’t meet the “**Talents Plan** ” .

**Research directions of the jobs:**

1、Intelligent sensing micro-system

2、Superconducting quantum devices and circuits

3、High-end silicon-based materials and devices

4、Broadband wireless communication technology and equipment

5、Micro-Nano sensing technology and devices

6、Phase change memory and its application

7、Terahertz solid-state technology

8、Brain-like chips and bionic vision

**Job description:**

|  |  |  |
| --- | --- | --- |
| Job | What you’ll do | Desired qualifications |
| Research of the Micro/Nano bio-chemical sensor system | Develop the Micro/Nano Bio-chemical sensor system for clinical diagnosis or environmental monitoring | (1)With PhD degree or post-doctor experience in Sensor technology or Nano-biology or related fields.(2)With 3+ years of related overseas work experience. |
| Research of sensing materials and devices | (1)For rapid trace- sensing the dangerous chemicals, (2)research on the design \ preparation \ development of the innovative sensors based on the new-type sensitive materials | (1)With PhD degree or post-doctor experience in materials/microelectronics and solid state electronics/organic chemistry related field.(2)With 3+ years of related overseas work experience. |
| Research of sensors and Micro/Nano processing technology | Develop some new research directions to satisfy the major national demand to the sensors | (1)With PhD degree or post-doctor experience in microelectronics and Micro/Nano processing technology related field.(2)With 3+ years of related overseas work experience in packaging enterprise. |
| Research of terahertz technology | Application research on semiconductor terahertz radiation sources, terahertz detectors, terahertz solid-state frequency-multiplied sources, terahertz communication and imaging. | (1)With PhD degree or post-doctor experience in terahertz/millimeter wave optoelectronics and electronics related field.(2)With 3+ years of related overseas work experience. |
| Research of intelligent transportation system (ITS) | (1)Key technology research on sensors and networks for ITS (2)Design, test and standardization for ITS | (1)With PhD degree or post-doctor experience in communication and microelectronics related field.(2)With 3+ years of related overseas work experience. |
| Research of superconducting electronics | (1)Superconducting quantum devices (SNSPD, SQUID, TES etc.) and their applications (2)Superconducting circuits, superconducting computer superconducting quantum simulation/computation(3)Novel superconducting devices and device physics | (1)With PhD degree or post-doctor experience (preferred) in physical electronics (2)Overseas research experience preferred. |
| Research of robot vision | Research on robot vision, image processing | (1)With PhD degree or post-doctor experience in computer vision, robot vision, image processing, pattern recognition, cognitive science related field.(2)With 3+ years of related overseas work experience. |

**Applicant’s basic conditions**

**1、Innovative Talents of “The Thousand Talents Plan”（full-time or part-time）**

（1）With a doctoral degree；

（2）No more than 55 years old；

（3）Serve as professors or the equivalents of professors in famous overseas universities and research institutions or senior professional and technical talents in the international well-known enterprises；

（4）Successful full-time candidates shall work for more than 3 years in SIMIT, while successful part-time candidates need to work for more than 3 consecutive years with 2 months every year in SIMIT.

**2、Young Talents of “The Thousand Talents Plan”**

（1）No more than 40 years old；

（2） With a doctoral degree; have formal teaching or research positions in the well-known overseas universities, scientific and research institutions or research and development institutions of well-known enterprises; have worked overseas continuously for more than 36 months after obtaining doctoral degree；

（3）Successful candidates need to work for more than 3 years in SIMIT.

**3、Foreign Expert of “The Thousand Talents Plan”**

（1）Non-Chinese foreign expert;

（2）No more than 65 years old

（3）Serve as professors or the equivalents of professors in famous foreign universities and research institutions or senior professional and technical talents in the international well-known enterprises;

（4）Successful candidates need to work for more than 3 years in SIMIT.

**4、Innovative Talents of shanghai“ The Thousand Talents Plan”**

（1）With a doctoral degree；

（2）No more than 55 years old；

（3）Serve as associate professors or the equivalents of associate professors in famous overseas universities and research institutions or senior professional technical talents in the international well-known enterprises；

（4）Successful candidates need to work for more than 3 years in SIMIT.

**5、Hundred Talents Program of CAS—Class A**

（1）Have working experience serving as professors or the equivalents of professors in leading universities, international famous scientific research institutions or enterprises;

（2）Have a deep academic attainments, with broad international academic influence and are widely recognized by international peers.

（3）Energetic, with excellent leading talent and have outstanding ability of team organization.

**6、Hundred Talents Program of CAS—Class** B

（1）Young and middle-aged talents who master the key technology engaged in engineering research and development or in a major scientific facilities construction, equipment research and development and other related jobs for 3 or more than 3 years;

（2）Able to solve key problems, promote technological innovation and achieve first-class results.

**7、Hundred Talents Program of CAS—Class C**

（1）Has a doctoral degree for no more than 5 years when apply for the position, studying or working in foreign well-known universities, research institutions for 3 or more than 3 years;

（2）To achieve the academic level required by the researcher's position, capable of leading the team to carry out research in this field and make innovative achievements with international level.

**Supports and benefits**

1、The Institute will fully support and assist the candidates who meet the requirements of such talent projects as national **“The Thousand Talents Plan”**，**shanghai“ The Thousand Talents Plan”**, and **Hundred Talents Program of CAS**.

2、In accordance with the official provisions stipulated by SIMIT, CAS, Shanghai and the country, the projects candidates can enjoy the relevant founding of research and living allowance.

3、For the introduced talents, the institute will offer competitive salary and benefits, including social insurance, housing fund, housing subsidies and also provide assistance to apply for their or their spouses and children’s Shanghai’s registered permanent residence in accordance with official policy.

4、Temperate apartments, necessary offices, laboratory rooms and financial supports will be provided for candidates talents.

**Contacts**

Please mail your resume to lihua@mail.sim.ac.cn or call to *021-62511070-5701* if you interested in the jobs.

More information about SIMIT, please check the website: http://www.sim.cas.cn/rczpw