苏州大学孙宝全教授课题组 博士研究生招生公告

PhD Positions in Prof. Baoquan Sun's

苏州大学功能纳米与软物质研究院（FUNSOM）孙宝全教授课题组现面向海内外招收 **入学博士研究生**。课题组尤其欢迎**材料物理背景扎实**、对半导体器件物理与光电能量转换机制有深入兴趣的优秀学子加入。

Prof. Baoquan Sun's group at FUNSOM, Soochow University, is now accepting applications for PhD positions starting in 2027. We particularly welcome students with a solid foundation in **materials physics** and a strong interest in semiconductor device physics and optoelectronic energy conversion mechanisms.

导师简介 | About the Supervisor

孙宝全教授，清华大学博士，先后在英国剑桥大学卡文迪许实验室和美国洛斯阿拉莫斯国家实验室从事博士后研究。现任苏州大学 FUNSOM 教授、博士生导师，入选国家级重点人才计划（WR 创新领军），国家重点研发计划国际合作项目负责人。已发表 SCI 论文 300 余篇，他引 21,000 余次，**H-因子 82**，2008 年至今连续入选爱思唯尔中国高被引学者榜单（材料科学）。获江苏省科学技术一等奖、二等奖各一项，担任 Wiley 旗下 *physica status solidi (a)* 等多个国际期刊编委。

课题组与剑桥大学 Henning Sirringhaus 教授（FRS）、法国索邦大学 Zhuoying Chen 教授等保持长期密切合作，优秀博士生可获得国际交流与联合培养机会。课题组毕业生去向包括**剑桥大学、牛津大学、UCL 等顶尖高校博士后/博士深造**，以及**华为、中兴、中芯国际、华虹半导体、海光集成电路**等头部半导体与光电企业。

Prof. Baoquan Sun received his PhD from Tsinghua University and conducted postdoctoral research at the Cavendish Laboratory, University of Cambridge, and Los Alamos National Laboratory. He has published over 300 SCI papers with more than 21,000 citations and an **H-index of 82**. He holds national-level talent program

recognition and serves on the editorial boards of multiple Wiley journals. Group alumni have pursued postdoctoral/PhD studies at **Cambridge, Oxford, and UCL**, and joined leading semiconductor companies including **Huawei, ZTE, SMIC, and Hua Hong Semiconductor**.

研究方向 | Research Areas

- 半导体材料与器件物理（重点方向）| **Semiconductor Materials and Device Physics** (Key Area)
- 无机纳米材料合成与制备 | Inorganic Nanomaterial Synthesis
- 柔性电子材料与器件 | Flexible Electronic Materials and Devices
- 硅光伏电池 | Silicon Photovoltaic Cells
- 溶液加工发光二极管（钙钛矿/量子点/有机）| Solution-Processed LEDs

招生要求 | Requirements

1. 具有**材料物理、凝聚态物理、半导体物理**或材料、化学、电子等相关专业背景的硕士毕业生（或应届硕士生）；
2. 具备扎实的**物理基础**，对半导体中的电荷产生、分离、传输与复合机制有学习热情；有器件物理、光物理或表征分析经验者优先；
3. 英语水平达到 FUNSOM 博士申请考核制要求（**CET-6 ≥ 450** 或 IELTS ≥ 6.0 或 TOEFL ≥ 85，或有英文论文发表）；
4. 对光电材料与器件研究有浓厚兴趣，有志于从事学术研究或产业研发。
5. Master's degree (or expected) in **Materials Physics, Condensed Matter Physics, Semiconductor Physics**, or related fields in Materials, Chemistry, or Electronics;
6. Solid foundation in **physics**; enthusiasm for charge generation, separation, transport, and recombination mechanisms in semiconductors; prior experience in device physics, photophysics, or characterization is preferred;
7. English proficiency meeting FUNSOM's PhD criteria (**CET-6 ≥ 450** / IELTS ≥ 6.0 / TOEFL ≥ 85, or English journal publication);
8. Genuine interest in optoelectronic materials and devices.

为什么选择 FUNSOM 与孙宝全课题组？ | Why FUNSOM & Prof. Sun's Group?

顶尖平台 | World-Class Platform

FUNSOM 由中国科学院院士李述汤教授领衔，是苏州大学“材料科学与工程”双一流学科的核心支撑单位。研究院拥有 2.5 万平方米实验场地及价值超 3.7 亿元的科研设备，累计在 *Science*、*Nature* 主刊发表论文 8 篇，获国家自然科学奖二等奖 3 次。

Founded under CAS Academician Prof. Shuit-Tong Lee, FUNSOM is the core supporting institution for Soochow University's "Materials Science and Engineering" Double First-Class discipline, with 25,000 m² of labs, over ¥370 million in equipment, 8 papers in *Science*/*Nature*, and 3 National Natural Science Awards.

科研训练扎实 | Rigorous Research Training

课题组氛围开放务实，导师亲自参与课题讨论与论文修改。组内教师（宋涛副教授、王玉生副教授、邵贝贝副研究员）在器件物理、表征分析与论文写作方面提供细致指导。课题组与剑桥、索邦等国际一流课题组保持密切交流，优秀学生可获推荐赴海外交流或深造。

The group fosters an open, hands-on research culture. Faculty members provide detailed guidance in device physics, characterization, and academic writing. Close ties with Cambridge and Sorbonne offer opportunities for international exchange and further study.

就业前景广阔 | Outstanding Career Prospects

课题组毕业生深受顶尖高校与头部企业认可。学术方向：剑桥大学、牛津大学、UCL 等博士/博士后；产业方向：华为、中兴通讯、中芯国际、华虹半导体、海光集成电路等半导体与光电领军企业。半导体与光电产业正处于国家战略需求核心，材料物理背景的博士人才在晶硅光伏、新型显示、集成电路等领域供不应求。

Group alumni are highly sought after by top universities and industry leaders. **Academic path**: PhD/postdoc at Cambridge, Oxford, UCL; **Industry path**: **Huawei, ZTE, SMIC, Hua Hong Semiconductor, Hygon** and other semiconductor/optoelectronics leaders. With semiconductor and optoelectronics at the core of national strategic needs, PhDs with materials physics backgrounds are in high demand across silicon photovoltaics, advanced displays, and integrated circuits.

苏州 | Suzhou

独墅湖校区位于苏州工业园区，周边科研院所与高科技企业密集。苏州兼具人文底蕴与经济活力，高铁 30 分钟直达上海。

Dushu Lake Campus sits in Suzhou Industrial Park, surrounded by research institutes and tech companies. Suzhou offers exceptional quality of life, 30 minutes from Shanghai by high-speed rail.

联系方式 | How to Apply

请将个人简历（含教育背景、研究经历、发表论文、获奖情况等）发送至：

孙宝全教授

邮箱：**bqsun@suda.edu.cn**
课题组网站：https://web.suda.edu.cn/bqsun/

邮件主题请注明：**“2027 博士申请 + 姓名 + 硕士毕业院校 + 材料物理方向”**

通过初审者将安排面试。本招生长期有效，热忱欢迎咨询。

Please send your CV to **bqsun@suda.edu.cn** with the subject line: **“2027 PhD Application + Name + Current Institution + Materials Physics.”** Shortlisted candidates will be invited for an interview.