

Postdoctoral Research Fellow in InSAR and Crustal Deformation Studies

Description

The Volcano and Earthquake Research Laboratory (VERL, <https://wenbin16.github.io/>) at Central South University (CSU) is seeking talented postdoctoral researchers who will bring expertise in satellite remote sensing and analysis of massive space geodetic data to derive geophysical understanding of earthquake cycle deformation, earthquake sources, volcanic processes, development of InSAR techniques and applications.

VERL collaborates with several research groups with interdisciplinary approaches across CSU and internationally. The selected candidates will have opportunities to visit research partners, attend international conferences.

Qualifications and requirements

- The candidate should have, or expect to have, a Ph.D. degree in a related field with prior research experience stated in the above.
- Experience in processing geodetic data such as InSAR, GRACE and GNSS data.
- Strong mathematical/numerical modeling and inversion skills are essential.
- Excellent programming skills in Python, Matlab or equivalent languages are required.
- Experience in writing research proposals and manuscripts.
- Excellent problem-solving skills, good communication and English skills.
- Creative and self-motivated personality and the capability to learn rapidly.

Salaries and benefits

- Highly competitive salary: 150k – 200k CNY annual (before tax), depends on performance;
- Free housing or settle-in allowance (up to 2 years) 21k CNY annual (after tax);
- Research Start-up Fund: > 20k CNY with high possibility to apply for additional grants
- Health care and social security benefits
- On campus kindergarten and schools for children

Application instructions

- Cover letter including a description of your research experience and interests
- CV including list of publications
- Copy of official academic transcripts
- At least two letters of reference

Other information

- The starting date is flexible, please indicate approximate starting date.
- I am also always looking for prospective Ph.D. students and research assistants to work with.

For further details, please contact Prof. Wenbin Xu (wenbin.xu@csu.edu.cn)

中南大学 - 火山与地震研究实验室诚聘英才

一、合作导师介绍

许文斌，中南大学地球科学与信息物理学院教授，博士生导师，国家“四青”人才获得者。主要研究方向包括空间对地观测技术（InSAR, GNSS）及其在地震周期形变、灾害监测与防治中的应用，地震周期形变监测与建模等。已在 Nature 子刊、EPSL、GRL、JGR 等著名国际 SCI/NI 期刊发表论文 20 余篇，详情请见：<https://wenbin16.github.io/>。因实验室发展需要，现招聘博士后研究人员，希望通过高效率的团队合作和高水平的科学研究，在 3-5 年内形成业内具有一定知名度的研究团队，服务国家地质灾害监测的需求。课题组将尽最大努力为优秀青年人才发展提供一流的科研平台和丰厚的个人待遇。

二、博士后岗位要求

- 1) 已（或即将）获得博士学位，年龄原则上不超过 35 岁；
- 2) 具有地球物理学背景和扎实的空间对地观测数据处理、分析与建模基础，具有独立开展科研工作的能力等；
- 3) 人品端正，踏实勤奋，具备团队合作精神和良好的职业道德；
- 4) 具体较强的英语阅读及写作能力，发表过高质量 SCI 研究论文；
- 5) 有能力发表高水平科研论文；

三、博士后岗位待遇

- 1) 实行分类资助，年薪 16 万 - 30 万，（含国家资助部分），缴纳社会保险及住房公积金，享受相应职工福利待遇，课题组给予额外高水平成果奖励；
- 2) 提供博士后公寓或者 1800 元/月租房补助；
- 3) 学校提供科研启动经费 2 万/人；
- 4) 子女可在中南大学附属学校办理入托、入学手续；
- 5) 在聘期内鼓励并协助申报国家自然科学基金、中国博士后科学基金等科研项目；
- 6) 符合学校新进教师遴选标准，可在出站前六个月内提出留校申请。其中，入选“博新计划”者，申请留校不受学院进入指标限制，入选“升华博士后”称号者，申请留校不受本校来源限制；
- 7) 鼓励支持在站期间赴国（境）外联合培养。

四、联系方式

请将您的个人简历、论文发表记录及相关材料发送至邮箱：wenbin.xu@csu.edu.cn；
本人承诺对所接收到的全部材料进行严格保密。



五、其它

同时热烈欢迎优秀本科生到本课题组攻读直博研究生或硕士研究生，随时欢迎具有地球科学、遥感、测绘、计算机科学、数学、电子和物理背景的同学来信咨询和加盟。