Two Post Doc Positions – 'General – Landscape Effects of Agricultural Management'

(Chinese version below)

Introduction of The Lab/ Research Field

The 'Sustainability, Agriculture, and Technology' (https://www.sat-lab.tomcwanger.com)(SAT) lab aims to contribute towards solving one of the main global challenges: to provide food, fibre, and energy sustainably in existing and new agricultural production systems. As an international team striving for excellence, our work is global, we embrace new technologies and methods, and collaborate openly across disciplines ranging from (agro)ecology to artificial intelligence and economics just to name a few. We have and encourage collaborations in China and internationally.

The SAT lab is currently expanding a network of projects to assess landscape-level effects of different crop production systems (e.g., cocoa and rice) on the environment and people. Besides new ways of automated ecosystem and particularly biodiversity monitoring, we are interested in human health and ecosystems service effects as a result of agricultural management under climate change. We also want to use sensors, renewable energy technology, and artificial intelligence to address the food-energy nexus.

Job Description

We are looking for two post docs 'General – Landscape Effects of Agricultural Management' to address projects of mutual interest in the above areas. These positions will be based in [SAT Lab](), Westlake University, China and research will be conducted across China and internationally.

Position: Postdoctoral Fellows (2x)

Requirements:

1) Research experience in agroecology, insect ecology, landscape ecology, public health, or economics after a PhD from a reputable institution.
2) Advanced skills in spatially explicit modelling, deep learning, statistics, or similar
3) Your past activities have led to high impact publications
4) You want to pursue new research ideas regardless of discipline. The sky is the limit.
5) You enjoy interacting openly in an international and collaborative environment and approach new project opportunities proactively.

Other requirements:
Have obtained or about to obtain a Ph.D. degree, aged under 40.

Compensation and Benefits
The research team offers a competitive compensation package commensurate with the selected candidate's qualifications and experience. Applications for relevant projects and programs will be encouraged and supported.
For post-doc(s) who selected for China Postdoctoral Science Foundation or Advanced Programs of Zhejiang Province will be entitled to receive the same amount funds from the Hangzhou government.
For post-doc(s) who work full-time in Hangzhou after completing their post-doc research will be eligible to apply allowance of 400,000RMB from the Hangzhou government.

How to Apply
To apply, please send the following documents in English as PDF files to Prof. Thomas Cherico Wanger (tomcwanger@westlake.edu.cn), and indicate the Post-doc application in the email subject.

- Cover letter (including your experience, motivation to join the lab, and an idea you want to pursue)
- Post-doc application form（attach a detailed CV）
- 2 reference letters
- Doctoral Degree Certificate

西湖大学工学院可持续农业科学与技术实验室课题组博士后招聘启事

一、课题组简介

"可持续农业科学与技术"实验室(https://www.SAT-lab.tomcwanger.com) 旨在通过现有和新型农业生产系统为不断增长的人口提供食物、能源和纤维，以实现联合国可持续发展的目标。作为一个追求卓越的国际团队，我们采用新技术新方法，并基于创新思维开展多学科合作，从（农业）生态学、人工智能到经济学等等。我们鼓励在中国以及国际上的各种合作，目前正在推进一个全球项目网络，以评估不同作物生产系统（如可可和水稻）对环境和人类的景观层面影响。除了新的自动生态系统方法，特别像是生物多样性监测外，我们还对气候变化下农业管理对人类健康和生态系统服务的影响感兴趣，希望利用传感器、可再生能源技术和人工智能来解决粮食与能源之间的关系。

二、招聘岗位及条件

1.招聘岗位：博士后（2名）(农业管理的综合-景观层面影响)

2.任职条件：

1） 在知名机构获得博士学位，具有农业生态学、昆虫生态学、景观生态学、公共卫生或经济学方面的研究经验。

2） 有空间显性建模、深度学习，统计或类似技能。

3） 有高影响力的论文发表。

4） 追求新的研究理念，不受限于学科背景。

5） 喜欢在国际协作的环境中交流沟通，并积极主动地寻求新的项目机会。

3.要求：

（1）年龄不超过40周岁；已取得或即将取得博士学位；

三、薪酬待遇

根据个人科研工作能力和博士后有关规定从优发放。课题组将提供稳定的工作环境与一流的研究平台，协助申报博士后相关项目，并根据兴趣与需求支持个人的职业发展。

对获得中国博士后科学基金资助和省级博士后科研项目资助的，市财政给予 1:1 配套资助。对出站留杭（来杭）工作的博士后，给予每人 40 万元补助。

四、应聘方式

请将以下材料（尽可能提供英文版本）以 PDF 形式发送至 tomcwanger@westlake.edu.cn，标题注明 Post-doc Application，，对于符合要求并通过初审者，将会通知安排面试。招聘启事在岗位招满前有效。

1.西湖大学博士后申请表(另请附上英文简历)；

2.申请信（英文，包括您的经验、加入实验室的动机和对于研究的想法）

3.2 位同行专家的推荐信

4. 博士学历学位证明材料。，