Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Eidgenössisches Departement für
Wirtschaft, Bildung und Forschung WBF

Agroscope

Job Advertisement Agroscope

Title

Scientific collaborator - Computer Vision

Introduction

Information and communication technologies are playing an increasing role in the agriculture and food industry. The Competitiveness and System Evaluation division develops new smart farming solutions, aiming at reducing the use of pesticides, increasing nutrients use efficiency, but also monitoring animal physiological and behavioral parameters. We need your competence and creativity in order to expand the potential of the computer vision based solutions within Agroscope.

Tasks

- Development of data acquisition and analysis strategies for the detection of weeds, pests and other objects.
- Implement full-stack computer vision projects
- Conception, planning and acquisition of research projects in the field of smart farming
- Support other research groups
- Publication and presentation of current research results in national and international specialist journals and at experts and science meetings

Competencies

- University degree in computer science or similar fields
- In-depth theoretical knowledge in computer vision and machine learning
- Broad experience in computer vision and the latest architecture used in the field
- Excellent Python programming skills.
- Experience with deep learning frameworks (Pytorch, Tensorflow or others) as well as in working with cloud services (such as Azure, AWS or google cloud) is a plus.
- Familiarity with modern software development processes including agile methodologies, testing, and continuous integration is a plus.
- Ability of working independently.
- Team-minded, communicative and performance-oriented personality.
- Good knowledge of two official Swiss languages and English; (Working language is German)

Information about the employer

Agroscope is the Swiss federal centre of excellence for research in the agriculture and food sector. Its researchers carry out their work at a number of sites in Switzerland. Headquartered in Bern-Liebefeld, Agroscope is attached to the Swiss Federal Department of Economic Affairs, Education and Research EAER.
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The Digital Production research group situated in Tänikon (Ettenhausen) nearby Aadorf is responsible for the development, construction and further development of indicators for evaluating technological innovations. Based on the research work, planning instruments and decision-making aids are developed for practice.
We offer you a varied job in an interesting working environment as well as thorough induction. A good infrastructure with modern machines is available. You benefit from flexible working hours, a staff restaurant and good social benefits.
Entry: April 1, 2022 or by appointment

Workplace	8356 Ettenhausen (TG)
Job category	24
Job percentage	80 – 100%

Contact

If this position interests you and you fulfil the profile of requirements, we look forward to receiving your online application on www.stelle.admin.ch, Ref.-no. 47496 Additional information can be obtained from Thomas Anken, head of the research group; Tel. +41 (0) 58 480 33 52; thomas.anken@agroscope.admin.ch (please do not send applications to this email address).
Application deadline: November 30, 2021