POSITION: AGRONOMY EXPERT

Who we are

BioSense Institute cross-fertilizes two vital sectors of today: ICT and agriculture. Recognizing that ICT plays a pivotal role in ensuring sustainable, smart and inclusive growth of agriculture, we focus on multidisciplinary, game-changing and needs-driven research in nano and microelectronics, new materials, communications, signal processing, remote sensing, biosystems, artificial intelligence, IoT and big data, driven by our desire to make a significant impact to the society in which we live in. BioSense Institute has coordinated or participated in a large number of international research projects, including over 30 H2020 projects.

Through the project ANTARES, the first ranked in the course of the prestigious Horizon 2020 Teaming Call, BioSense Institute is funded with 28 M€ to become European Centre of Excellence for advanced ICT solutions in agriculture. The project budget is dedicated to the attracting global talent as well as to the construction of the new building and purchase of the state-of the-art equipment.

BioSense Institute is situated in Novi Sad, Serbia. Novi Sad is a friendly and safe city of approx. 350.000 inhabitants in the north of Serbia, on the banks of the Danube river, facing the northern slopes of Fruška Gora mountain. Due to the combination of a vibrant social and cultural life with particularly favorable cost of living (for details please check https://www.numbeo.com/cost-of-living/), Novi Sad is an ideal choice for a broad range of people, from busy single professionals to families with schoolchildren.

Description of work:
BioSense has developed a number of sensors for inferring the overall plant's health status, fertiliser/water requirements and availability of key substances in the soil. Before publication/patenting, these instruments need to undergo a series of field tests, which prove their capabilities and limitations in the real-world environment. Another line of research is the application of high-tech instruments in the field, such as thermal, multispectral and hyperspectral cameras, soil electromagnetic conductivity probes and XRF scanners, for designing advanced AgTech solutions and providing the ground truth for remote sensing systems.

Requirements:
This position requires in-depth knowledge in the field of Precision Agriculture. The candidate should have at least 5 years of experience in this domain and hold a PhD in Agronomy, Plant Breeding, Phytopathology or other related areas. The candidate is expected to have leadership skills and to coordinate the field testing of novel sensors and high-tech field trials.

We Offer:
- The ability to make a difference in a dynamic and rewarding working environment in a top-ranked European Centre of Excellence
- The opportunity to work in a team comprised of renowned experts and using state-of-the-art laboratories
- The possibility to develop own research team and pursue own cutting-edge research directions
- Favourable cost of living and advanced quality of life
- Full administrative support in relocation for the entire family

Earliest Starting Date: January 2020

Contract Duration: up to 4 years (with a possible extension or a permanent (tenure) position based on the performance)

Submit your applications including a detailed CV, list of publications and any other relevant information to jobs@biosense.rs
Informal enquiries should also be sent to jobs@biosense.rs