

The HES-SO University of Applied Sciences and Arts Western Switzerland, Geneva, is recruiting for the School of Landscape, Engineering and Architecture (HEPIA) a:

Scientific assistant HES at 80%
Fixed-term appointment of 12 months, renewable

A member of the HES-SO Geneva, the Geneva University of Applied Sciences for Landscape, Engineering and Architecture (hereinafter HEPIA) has around 350 employees, over 1,100 students, 9 Bachelor's courses, 5 Master's courses and 3 research institutes.

The incumbent's main mission will be to participate in the EU project NETWORK in collaboration with Professor HES Dr. Eryk Schiller. This project focuses on the critical area of cybersecurity. The NETWORK project aims to tackle the challenges of adaptability and responsiveness to cyberattacks by developing a bio-inspired, AI-based 6G cybersecurity framework with low energy consumption. This framework will leverage AI to self-regulate and adapt to specific circumstances while adhering to service-level agreements.

The candidate will be required:

- Gather and analyze data to improve the self-resilience and flexibility of future 6G network security measures
- Develop, conduct, and perform innovative high-quality research and engineering related to the NETWORK project's objectives, specifically in the area of bio-inspired AI-based cybersecurity frameworks for 6G networks
- Contribute to the design and implementation of AI models that enhance network security in mobile networks
- Contribute to the dissemination of relevant results in peer-reviewed journals and conferences
- Collaborate with project partners to ensure that the framework meets the specified requirements
- Contribute to new project proposals using various instruments, such as SNF, Innosuisse, Horizon Europe

Profile/Skills desired or to be developed:

- Master in computer science, electrical engineering, or any discipline related to network security or mobile networks
- Minimum 5 years of experience in the field of network security, particularly in mobile networks, ideally demonstrated by a relevant track record of publications and research projects
- Proficiency in developing AI models for network security applications
- Experience with FPGA (Field-Programmable Gate Arrays) technology is strongly desirable
- Skills in programming, particularly in Python, C++, or VHDL/Verilog
- Efficiency, sense of organization, rigor, initiative, and ability to work independently
- Fluency in English, both in spoken and written form; knowledge of French is advantageous

Particularity of the position:

- The HES or artistic scientific assistant is engaged for a fixed, renewable period, corresponding to the duration of the project(s) or missions entrusted

Application deadline: 31 octobre 2024

Start date: Date to be confirmed

Place of work : Hepia site Genève, Rue de la Prairie 4, 1202 Genève

HES-SO Geneva / HEPIA adopts a recruitment policy in favor of equal opportunities and diversity**Complete and electronic applications only should be sent to:****HR Department, recrutement.hepia@hesge.ch, with the subject RH_HEPIA_0343_RE_24_25_ISC****Your records must be in the following form:**

PDF n°1: cover letter and CV

name_surname_Motivation_CV_0343_RE_24_25_ISC.pdf

PDF n°2: Annex

name_surname_Annexes_0343_RE_24_25-ISC.pdf

File includes: a CV, a cover letter, a copy of the titles obtained, work certificates

Information :Information on salary conditions may be requested from HR Department, recrutement.hepia@hesge.ch