

TENURED ASSOCIATE PROFESSOR POSITION, COMPUTER SCIENCE

INSA Centre Val de Loire

Laboratoire d'Informatique Fondamentale d'Orléans (LIFO)

Profile : Computer Security

Keywords : Computer Security, Privacy in information systems, Secure computations, Embedded systems and IoT, Cloud and System Security,

INSA Centre Val de Loire (<http://www.insa-centrevaldeloire.fr/>) is opening a tenured Associate Professor position in Computer Science, with a research focus on thematic developed in the Systems and Data Security Team of the LIFO laboratory. Teaching department and research team are located in Bourges, France.

Teaching

The recruited associate professor will teach traditional computer science curricula. There are various needs at INSA Centre Val de Loire, more specifically in Bourges. Skills in teaching computer security would be greatly appreciated (network security, system security, IoT, cloud, big data, ...). INSA offers four engineering diplomas, certified by the French "commission des titres d'ingénieurs" (CTI) and also an undergraduate course. Three of these engineering departments, and part of the undergraduate studies are located on the Bourges campus. The hired associate professor will focus his/her teaching on the Computer Science Security and Technologies (STI) graduate department and second year undergraduate students.

The STI department trains computer science engineers on programming techniques, data management, systems and networking, on both technical and theoretical aspects. Some courses also detail recent technologies, to keep up pace with research and industry. The department's specialty is to train students on all aspects of computer security, software security, network security, and data privacy and security. The department offers three last year specializations: 1) Architecture, Administration, Audit and Security Analysis, 2) Software Architecture and Security and 3) Ubiquitous Systems' Security. INSA Centre Val de Loire graduates are appreciated in the industry for their specific skills on these topics. The school also co-habilitates a research Master's degree with the University of Orléans: IMIS (Mobile Computing, Intelligence and Security). Also, since 2017, the STI department cooperates with INSA Euro-Méditerranée.

The recruited associate professor is expected to actively participate in the STI department's activities. An experience in the management of a teaching department would be appreciated.

Teaching Contacts:

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Research

The recruited associate professor will join the *Systems and Data Security* (SDS) team of the Fundamental Computer Science Laboratory of Orléans (LIFO). The team is entirely based at INSA Centre Val de Loire, on Bourges campus. The team specializes in computer security, with a focus on the following themes:

- Privacy and security of information management systems and applications (e.g. anonymization).
- Secure distributed computing, in the context of Big Data, and approaches based on the use of secure hardware.
- Access control, traceability, provenance and authenticity of data in embedded systems (e.g. connected vehicles, IoT, mobile payments)
- "Security/Privacy by design" (e.g. formal methods applied to security, model checking, protocol proving, graph theory, ...)

The candidate is expected to show motivation to work on these topics, by presenting a research program linked to computer security with a direct integration on at least one of the topics studied by the team.

The candidate should show his/her capacity to publish in high ranked scientific conferences or journals in the computer science research field.

The candidate must be fluent in English and French.

More information: <http://sds-lifo.insa-cvl.fr>

Research Contacts:

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**Candidacy to be sent only electronically to the following email address:
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