



Hylson Vescovi Netto <hvescovi@gmail.com>

[sbc-l] Bolsas de Doutorado na França

1 message

Alfredo Goldman por (sbc-l) <sbc-l@sbc.org.br>
Reply-To: Alfredo Goldman <gold@ime.usp.br>
To: sbc-l <sbc-l@sbc.org.br>

Mon, Apr 5, 2021 at 8:21 PM

Caros Colegas,
Segue abaixo o anúncio de duas posições abertas para doutorado com bolsa na França.

Abraço,
Alfredo

Open PhD positions

Two PhD positions are available at the Institut de Recherche en Informatique de Toulouse, France, funded by the European Commission under the Horizon 2020 programme (Marie Skłodowska-Curie Actions Innovative Training Network). We are looking for candidates with a Dipl.-Ing. / Master in computer science or software & information engineering with a background in one (or more) of the following fields: software engineering, information systems, cybersecurity, cryptography, API security, blockchains. The candidates should already have demonstrated:

- strong work commitment and the ability for independent work but also as a team player;
- strong interpersonal and communication skills.

The positions are offered within the European H2020-MSCA project LeADS (Legality Attentive Data Scientists) (<https://cordis.europa.eu/project/id/956562>) which will implement a PhD programme for 15 early-stage researchers to become experts in both data sciences and law, being able to maintain innovative solutions within the realm of law and help expand legal frontiers according to technological developments.

These two positions are prestigious MSCA fellowships funded by the European Commission, and propose attractive complementary training activities and generous travel, laboratory, and research budgets. We offer a dynamic and respectful working environment in Southern France, in a highly-motivated team with diverse expertise, competencies, research backgrounds, and career stages. The successful candidates will benefit from an excellent scientific environment, up-to-date technologies, and supervision by international leaders in the field. They will learn to integrate multi-disciplinary academic and industrial aspects in their research work and they will sharpen their experimental and complementary skills in a well-designed and peer-reviewed unprecedented training programme.

PhD #1: Distributed reliability and blockchain-like technologies (Supervision by IRIT, internships at INTEL Corporation (Belgium) and Université du Luxembourg (Luxembourg))

The objectives of this research are to conceive, develop, and implement reliable and secure instruments that guarantee innovative and transversal data protection principles, without the need of centralized authorities or trusted third parties. For instance, the potentials of blockchain-like technologies will be explored as instruments to guarantee data integrity in a distributed manner and without the need to know otherwise sensitive information. Research will be carried on the current and forthcoming techniques for big-data storage, retrieval, and management, from legal and technological perspectives, especially on the impact of moving from traditional local/internal database management systems to novel geo-distributed data storage and of processing techniques that leverage public and hybrid cloud-based solutions, like data-lakes. The candidate will develop methodologies and actual tools to produce legal analytics that are useful for policy analysis, interrelating various legal domains.

PhD#2: Legal by design identity management (Supervision by IRIT, internships at Scuola Superiore di Studi Universitari e di Perfezionamento S. Anna (Italy) and Autorità garante della concorrenza e del mercato (Italy))

In an ideal identity and access management system, users should not have to present more credentials to a service provider than are needed to access its resources (data minimization/least privileges). The users should be asked to consent to the release of their credentials, to make it compliant with GDPR. And they should not be trackable through the use of such credentials, except in cases of abuse. The objective of this research is to define and prototype a complete framework covering both technical and legal aspects in order to guarantee the privacy of users while allowing service providers to prevent and react to unlawful behaviours, in compliance with law enforcement requirements.

Requirements: The researcher must not have resided or carried out his/her main activity (work, studies, etc.) in France for more than 12 months in the 3 years immediately prior to his/her recruitment. Short stays, such as holidays, are not taken into account. All candidates are vetted by the French Global Security System.

Living allowance: Highly competitive salary is offered, plus the possibility of other allowances, according to MSCA regulations.

Important dates:

Review of applications will continue until the positions are filled. The PhD program starting date is Nov. 1 2021.

Applications including a curriculum vitae, motivation letter with a research statement, two letters of recommendation, should be sent electronically to:

Michelle.Sibilla@irit.fr

About the Host Institutions:

The University Toulouse III Paul Sabatier (UPS) is a leading French university that offers courses in the fields of science, health, sport, technology, and engineering. It has more than 31.000 students trained by more than 2.500 full time professors. Around 400 PhD degrees are awarded each year by the 11 Doctoral Schools of the University. The two LeADS PhD students will follow the doctoral program entitled "Mathematics, Informatics and Telecommunications" (https://en.univ-toulouse.fr/sites/default/files/Doctoral-school_MITT-Mathematics-Informatics-Telecommunications_UFTMP.pdf). General PhD information can be found at: <https://en.univ-toulouse.fr/research-dynamics-phd/doctoral-programmes>

The Institut de Recherches en Informatique de Toulouse (Toulouse Institute of Computer Science Research) gathers more than 700 members among which 400 researchers and faculty members. It is the largest computer science laboratory in France. IRT researchers belong to one of the following institutions: CNRS (Centre National de la Recherche Scientifique), INPT (Institut National Polytechnique de Toulouse), UPS (Université Toulouse III-Paul Sabatier), UT1 (Université de Toulouse 1 Capitole) and UT2J (Université de Toulouse Jean Jaurès). IRT's 21 research groups of the laboratory work in seven scientific themes covering most of computer science. Key personnel and groups have a long-standing experience in security, privacy, engineering, networks, data analytics, and policy-making, with strong collaboration links with other academic and industrial partners. More information at <https://www.irit.fr>.

sbc-l mailing list
sbc-l@sbc.org.br
<http://grupos.ufrgs.br/mailman/listinfo/sbc-l>