Full professor position
Distributed smart computing systems

The University Bourgogne Franche-Comté (UBFC, www.ubfc.fr), a collegiate research university federating six organizations, is anticipating the recruitment of a full professor in the field of « distributed smart computing systems » by one of its members Université de Franche-Comté (http://univ-fcomte.fr/), specially in the FEMTO-ST Institute (http://www.femto-st.fr/) located in Besançon (France) and jointly operated with CNRS (French National Center for Scientific Research). The open position is a first class position (PRC1), the second step out of a possible three.

We encourage applications of well-established scientists investigating this field of research owning a PhD degree, able to lead a research team, demonstrating an outstanding record of publications and the proven ability to manage a research program involving a group of researchers.

The salary will be negotiated on the basis of education and experience. It integrates a benefit package including retirement, health insurance, annual and sick leave.

The tenure position will be provided by Université de Franche-Comté. Specific provisions regulating the tenure positions in the French universities impose that the selection to enter a tenure position be based on application forms (including CV, teaching and research projects) returned in French. In order to anticipate and to optimize the application to this specific tenure position recruitment scheme that shall be ready in March 2019, we invite the interested candidates to follow the link http://www.ubfc.fr/wp-content/uploads/2016/07/Application-form_Senior_ISITE-BFC.docx to download the pre-application form to be filled and returned before Otcober 30, 2018 to obtain support in the final application. The pre-application from must be returned using the "**Apply for this job**" button of this announce: https://www.researchgate.net/job/913647_Full_professor_position-Distributed_Smart_Computing_Systems.

The successful applicant shall enter the position on September 1 st, 2019. She/he will then have the possibility to apply for 600 k€ grant of research budget for a period of three years, supported by the French "Investissements d'Avenir" program, project ISITE-BFC (funding dedicated to UBFC members). During the period of the ISITE-BFC grant, the successful candidate will be committed to apply for an European Research Council (ERC) grant.

UBFC and Université de Franche-Comté are equal opportunity employers.

Job description:

Full Professor position in computer science at Université de Franche-Comté. The successful candidate is expected to join the DISC department of the FEMTO-ST Institute (UMR CNRS 6174), to work on distributed systems, and on optimization. Teaching duties at UFR Sciences et Techniques.

About the hosting research team

The research activity will be located in the DISC (Département d'informatique des systèmes complexes) of the FEMTO-ST Institute. The FEMTO-ST Institute groups several research departments in the field of "Science and Technologies of Information and Communication" (STIC) with "Sciences for the Engineer" (SPI). Indeed the range of the institutes's scientific themes covers optics, acoustics, the micro-/nanosciences and systems, time frequency, automatic control, computer science and mechatronics, while at the same time including mechanics and materials, energy and electrical engineering. FEMTO-ST's research can be fundamental or applied. The DISC department develops research activities focused, on the one hand, on new *methods of modeling, simulating, optimizing and solving large-scale problems for* distributed or parallel systems, and on the other hand, on new programming skills to master the constantly growing complexity of software.

Targeted research profile

The research context where the candidate should integrate is the domain of "smart systems". More specifically the candidate must develop a research project in computer science related to smart distributed systems or on more fundamental subjects with applications to smart systems. The project could include an opening regarding the research themes developed in the DISC department, subjects related to the following themes will however be preferred:

- Optimization, in the context of green computing, sensor networks or distributed systems for instance
- Algorithms and programming for sensor networks or distributed systems and their applications to smart systems, collaborative or E-Health environments and biocomputing
- Formal modeling for verification or test, in the context of cyberphysical systems for instance

Targeted teaching profile:

The candidate will integrate the computer science teaching department of University of Franche-Comté. The recruited candidate will teach computer science at the different training levels and will supervise projects and internship. The ability to give computer network courses and take on the management of this teaching domain will be appreciated.

Indicative schedule:

- October 30, 2018: applicants that are not used to the french recruitment system may submit their file to be helped in the steps of the procedure before this date (http://www.ubfc.fr/wp-content/uploads/2016/07/Application-form_Senior_ISITE-BFC.docx)
- March 2019: reception of the application file
- April 2019: selection of the applicants that will present their projects
- Mai 2019: projects presentation and ranking of the applicants