RESEARCH
Large scale, heterogeneous and distributed data management
The hired person will integrate the Database team (BD - http://liris.cnrs.fr/bd) of the LIRIS laboratory (http://liris.cnrs.fr). The team's activities focus on declarative management of data, streams, and services to answer the new challenges raised by the explosion of available data in our digital environment. The new team member will conduct her research to design solutions allowing integration, treatment, analysis and unified access to data from different distributed heterogeneous sources, particularly those from scientific applications, the Web or the Open Data. Therefore, extensions have to be drawn from frameworks designed for these problems to allow a better scalability while providing a better account of users’ needs and constraints.

In this context, a good knowledge of the analysis and management of semantic heterogeneity is needed. Ideally, this knowledge must be associated with the use of formal approaches and a solid background in the domains of Databases, Information Retrieval, Semantic Web technologies, large scale distributed architectures, and related algorithms.

The new team member is expected to collaborate with other teams of the LIRIS department "Data, Knowledge and Services", in order to strengthen the existing collaborations.

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TEACHING
Computer Science Fundamentals
The First Cycle Departement is looking for a new assistant professor whom expertise field covers the teaching of computer science fundamentals (algorithmics, objects oriented programming in java, computer architecture, relational database fundamentals). The assistant professor will work in a pluridisciplinary way with some other teachers from different interest fields of the First Cycle Department (Physics, Mechanics, Mathematics,...). The purpose of this task is to consolidate links between
existing teaching teams in the context of evolution of the formation at INSA. It will also be fully appreciated that the assistant professor will investigate some new pedagogical approaches.

**Teaching contact**
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