Full Professor position in Computer Science
LIRIS Research Laboratory
Université Claude Bernard Lyon 1
Computer Science Department, Science and Technology Faculty

RESEARCH
Interactive reconstruction and design for 3D evolving shapes
The GeoMod team wishes to reinforce the dynamic, kinetic and interactive aspects of its geometric modeling activities, while addressing the question of real-time requirements. Here, the important point is not to discard the quality and richness of the data produced by scanners when dealing with the modeling of real shapes, but to settle a level of interaction and reactivity similar to that proposed in virtual sculpture. Modeling shapes in motion is also targeted by this project.
To achieve this, the GeoMod team seeks to fill a full professor position. The successful candidate will have to invest in complementary skills in geometric modeling, computational geometry and numerical methods. The team aims at a direct application of its work within the industry of moving images, supported by the cluster Imaginove of the région Rhône Alpes, but also suitability for embedded technologies.
For several years, the team GeoMod has already gained an acknowledged experience in surface reconstruction and geometric modeling at large. With this search of a new colleague, the team now wants to reinforce the more formal side of its activities to succeed in its project. The applicants should therefore demonstrate their ability to develop cutting-edge research with a solid theoretical background and leading potentials.

Research contact
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TEACHING
The hired person will strengthen the teaching staff of the Computer Science Department in License and Master degrees. The skills needed include algorithmic and programming, operational research and graphs.

Lessons should be essentially delivered in French and a strong involvement in the life of the department will be requested.

Teaching contact
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