



**Laboratoire des sciences  
de l'image, de l'informatique  
et de la télédétection  
UMR 7005**

## **Support for the organization of DGCI 2011**

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Director

Affaire suivie par  
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The Image Sciences, Computer Science and Remote Sensing Laboratory (LSiIT) is a research unit affiliated with CNRS (National Center for Scientific Research) and the University of Strasbourg (UMR 7005). Its research and teaching activities lie in the field of Information and Communication Science and Technology (ICST). LSiIT performs pure and applied research in a variety of domains including computer sciences, robotics, automation and control, image processing and remote sensing.

For the past three decades, the laboratory has developed a recognized expertise in the specific field of image sciences, through researches and developments in optical imaging, 3D digital image modeling and processing, computer vision, computer graphics and animation, geometric modeling, virtual reality, visual servoing, scientific visualization and rendering, image classification and data mining. Several research projects are related to the topics covered by DGCI.

LSiIT privileged application domain is related to the use of advanced information technologies in biomedicine and health-care: medical imaging, medical and surgical robotics, geometrical modeling and rendering of anatomical structures, surgical planning, augmented reality in medical applications and health informatics.

LSiIT currently hosts 7 research groups : **Computer Graphics & Programming - Models, Images & Vision - Robotics, automation & Computer Vision - Networks & Protocols - Parallel Computing - Data Mining & Bioinformatics - Remote Sensing, Radiometry & Optical Imaging.**

The proposed Program chairs and local organization committee members for the next DGCI are all members of the team «Géométrie Discrète et Morphologie Mathématique» (Digital Geometry and Mathematical Morphology) of the «Models, Image and Vision» group. The Digital Geometry and Mathematical Morphology team has an excellent scientific production and is internationally recognized.

As Director of LSiIT, I give of course high importance to welcome DGCI'2011 in Strasbourg.

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