

CRAS 2014

**4th Joint Workshop on New Technologies
for Computer/Robot Assisted Surgery**

**OCTOBER 14-16, 2014
Hotel Melià, Genoa, Italy**

Joining Efforts - Progressing Faster

This workshop aims at bringing together researchers and clinicians involved in computer and/or robot assisted surgery to provide a clear view on the status and recent trends in this field and to propose concrete measures to achieve a critical mass in research and innovation in this field.

Call for Contributions

We invite submissions for this exciting forum that will help to shape the future of surgical systems. Contributions are solicited in the form of extended abstracts (2 to 4 pages) related to the workshop topics.

Specific topics of interest include, amongst others:

- | registration, segmentation and modeling
- | motion compensation and active guidance
- | human-robot collaboration and shared control
- | workflow analysis and episode segmentation
- | machine learning and cognitive surgical robotics
- | surgical skill assessment
- | usability and user-acceptance
- | surgical training
- | tactile and haptic feedback
- | variable stiffness robotic systems
- | novel robotic hardware and sensors
- | novel interfaces
- | standardization and regulation
- | system integration
- | safety and dependability
- | synergies and clustering
- | visionary works and roadmaps

Important deadlines

- 15 July 2014 - Abstract submission
- 15 August 2014 - Acceptance notification
- 15 September 2014 - Final abstract submission

Workshop Co-Chairs

- Leonardo Mattos, Istituto Italiano di Tecnologia, Genoa, Italy
- Paolo Fiorini, University of Verona, Italy
- Emmanuel Vander Poorten, KU Leuven, Heverlee, Belgium

The venue

Genoa is the capital of Liguria and the sixth largest city in Italy. Genoa is one of Europe's largest cities on the Mediterranean Sea and the largest seaport in Italy. Genoa has been nicknamed la Superba ("the Superb") due to its glorious past and impressive landmarks. Part of the old town of Genoa was inscribed on the World Heritage List (UNESCO) in 2006. The city's rich art, music, gastronomy, architecture and history allowed it to become the 2004 European Capital of Culture. It is the birthplace of Christopher Columbus. Genoa is located in the Italian Riviera, near other major Italian tourist destinations such as Portofino and the Cinque Terre. It is also a short train ride away from Milan, Turin, Pisa and Florence.



*from Wikipedia

