

Publication in link with the presentation

2007

- 1. Discrete Delaunay: Boundary extraction from voxel objects**
Boltcheva D, Bechmann D, Thery S.
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- 2. Trajectory optimization for the planning of percutaneous radiofrequency ablation on hepatic tumors**
Baegert C., Villard C., Schreck P., Soler L., Gangi A.
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- 3. Patient Specific Surgical Simulation**
Soler L, Marescaux J
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- 4. 3D virtual reality and selective vascular control for laparoscopic left hepatic lobectomy**
Mutter D., Dallemagne B., Bailey C., Soler L., Marescaux J.
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- 5. From interactive to automated augmented reality to improve safety and efficiency in minimally invasive general surgery**
Rubino F., Soler L., Nicolau D., Mutter D., Dallemagne B., Leroy J., Marescaux J.
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- 6. Augmented Reality**
Soler L, Nicolau S, Marescaux J
Robotics in Endoscopic Surgery. Springer Verlag – in press
- 7. Follow-up of tumor development in the colons of living rats and implications for chemoprevention trials: Assessment of aspirin-difluoromethylornithine combination**
Raul F, Gossé F, Osswald AB, Bouhadjar M, Foltzer-Jourdainne C, Marescaux J, Soler L.
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- 8. Computer-assisted operative procedure: from preoperative planning to simulation**
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- 9. Ultrasound and needle insertion simulators built on real patient-based data**
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2. **An interactive medical image segmentation system based on the optimal management of regions of interest using topological medical knowledge**
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3. **Computational Models for Image Guided Robot-Assisted and Simulated Medical Interventions**
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4. **Augmented Reality for Surgery and Interventional Therapy.**
Marescaux J, Soler L, Rubino F.
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5. **Automatic anatomical segmentation of the liver by separation planes**
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6. **A modular and evolutive component oriented software architecture for patient modeling**
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8. **Real time simulation of organ motions induced by breathing: first evaluation on patient data**
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3. **Virtual Reality Applied to Planning for Laparoscopic Adrenalectomy**
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4. **Evaluation of Virtual Reality Patient Reconstruction in the Assessment of Volume of Adrenal Tumors: An Initial Experience of 15 Cases**
Arenas M, Bouras G, Rubino F, Inoue H, Forgione A, Mutter D, Soler L, Marescaux J
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10. **Tree Matching Applied to Vascular System**
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8. **An accuracy certified augmented reality system for therapy guidance**
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