

2009

Computational Bioimaging

Las Vegas, Nevada, USA. Nov/30 – Dec/2

www.isvc.net

Call for Papers

Computational Bioimaging is a special track of the 5th International Symposium on Visual Computing. It aims to bring together researchers, engineers, computer scientists, applied mathematicians, and practitioners to present and discuss their work and developments in this challenging interdisciplinary field and set the major lines of development for the near future.



Topics

- Image processing and analysis in computational bioimaging;
- Segmentation, tracking, and motion analysis in biomedical images;
- Biomedical image restoration and reconstruction;
- Biomedical signal and image acquisition and processing;
- Image processing and analysis at the molecular and cellular levels;
- Shape recognition and representation in biological images;
- Software development for computational bioimaging;
- Grid and high performance computing for computational bioimaging;
- Computer aided diagnosis, surgery, therapy, treatment, and telemedicine.

Scientific Committee

Alberto De Santis, Università degli Studi di Roma "La Sapienza", Italy
Alexandre Cunha, California Institute of Technology, USA
Alexandre Xavier Falcão, State University of Campinas, Brazil
Ana Mafalda Reis, University of Porto, Portugal
Arrate Muñoz Barrutia, University of Navarra, Spain
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Hemerson Pistori, Dom Bosco Catholic University, Brazil
Huiyu Zhou, Brunel University, UK
Igor Yanovsky, Jet Propulsion Laboratory, USA
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Javier Melenchón Maldonado, Open University of Catalonia, Spain
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Jorge S. Marques, Instituto Superior Técnico, Portugal
Jose M. García Aznar, University of Zaragoza, Spain
Jussi Tohka, Tampere University of Technology, Finland
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Michael Liebling, University of California at Santa Barbara, USA
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Roberto Bellotti, University of Bari, Italy
Sabina Tangaro, National Institute of Nuclear Physics, Italy
Shawn Newsam, University of California at Merced, USA
Susana Branco Silva, University of Lisbon, Portugal
Todd Pataky, University of Liverpool, UK
Valentin Brimkov, State University of New York, USA
Yongjie Zhan, Carnegie Mellon University, USA

Paper submission

Papers submitted to the Computational Bioimaging track follows the same criteria of ISVC. They must not have been previously published and must not be currently under consideration for publication elsewhere. Manuscripts should be submitted in camera-ready format and should not exceed 12 pages, including figures and tables. Papers will be reviewed with an emphasis on potential to contribute to the state of the art in the field. Each paper will receive at least two blind reviews and should not contain names or other information revealing authors' identity. Selection criteria include accuracy and originality of ideas, clarity and significance of results, and presentation quality. All papers accepted will appear in the symposium proceedings which will be published by Springer-Verlag in the Lecture Notes in Computer Science series.

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Organizers

João Manuel R. S. Tavares, University of Porto, Portugal
Renato Natal Jorge, University of Porto, Portugal
Alexandre Cunha, Caltech, USA

Important dates

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| July 10 | Paper submission is due |
| August 31 | Notification of acceptance |
| September 14 | Final camera ready paper is due |
| September 14 | Advanced Registration |
| October 5 | Demo Applications |
| October 28 | Early Registration Deadline |
| October 28 | Hotel Reservation Deadline |

