CALL FOR PAPERS

The Ninth IASTED International Conference on
Visualization, Imaging, and Image Processing
~VIIP 2009~

July 13-15, 2009
Cambridge, United Kingdom

SPONSORS
The International Association of Science and Technology for Development (IASTED)
- Technical Committee on Image Processing
- Technical Committee on Computers
- Technical Committee on Visualization

World Modeling and Simulation Forum (WMSF)

CONFERENCE CHAIR
Prof. Jian Zhang – Bournemouth University, United Kingdom

TUTORIAL PRESENTER
Dr. Hujun Yin – University of Manchester, United Kingdom

PURPOSE
The Ninth IASTED International Conference on Visualization, Imaging, and Image Processing (VIIP 2009) will establish an international medium for the exchange of new ideas and practical experience between researchers and practitioners working in the fields of imaging, image processing, and visualization. It is an opportunity to present and observe the latest research, results, and ideas in these areas, as well as their applications. All papers submitted to this conference will be evaluated by at least two reviewers. Acceptance will be based primarily on originality and contribution.

VIIP 2009 will be held in conjunction with the IASTED International Conferences on:
- Control and Applications (CA 2009)
- Technical, Medical and Scientific Publishing (TMSP 2009)
- Internet and Multimedia Systems and Applications (EuroIMSA 2009)

LOCATION

Cambridge is the home of the famous University, carols in King's College Chapel and punting on the river Cam. Cambridge is a compact cosmopolitan city with outstanding architecture old and new. The beauty of its ancient centre is preserved with its walkable medieval streets, college courts, gardens and bridges.

Cambridge is a delight to visit in any season: relax in its many pubs, restaurants and cafes whilst exploring the independent shops around the historic market place. There are brand new shopping areas too, with all the high street favourites that you would expect.

Be inspired by the museums and art galleries; spot the stars of the future at a student theatrical production, or see a show at the Arts Theatre. Film, live music of all kinds, poetry readings, public lectures - enter into the intellectual life of the students while you are here.

SCOPE

The topics to be covered include, but are not limited to the following.

Rendering
- Illumination Models
- Volume Rendering
- Rendering Algorithms and Systems

Modelling
- CAD/CAE (Computer Aided Design and Engineering)
- Modelling of Natural Phenomena
- 3D Object Extraction
- Surface Reconstruction
- Geometric Algorithms
- Computational Geometry

Animation
- Motion Control and Kinematics
- Dynamic Behaviour of Moving Components
- Traffic Analysis and Simulation
- Character Animation
- Facial Animation
- Human Figure Animation

Image Processing and Analysis
- Image Acquisition
- Image Manipulation and Compression
- Image Synthesis
- Pattern Analysis and Recognition
- Medical Imaging
- Document Analysis

Computer Vision
- Machine Vision
- Object Recognition
- Active Vision
- Cognitive Vision
- Tracking
- Face and Gesture Recognition
- Biometrics
- Image and Semantics

Visualization and HMI (Human-Machine Interfaces)
- Scientific and Mathematical Visualization
- Data Treatment and Visualization
- Visual Information Systems
- Human-Computer Interaction
- Virtual Reality
- Holographic Imaging
- Visualization and Manipulation of Virtual Objects
- Visualization Software
- Intelligent Interfaces
- Augmented Reality
- Intelligent Ambience

Applications in all fields including:
- Medicine
- Geosciences

- Astronomy
- Ocean Engineering
- Communications
- Manufacturing
- Environmental Sciences

INTERNATIONAL PROGRAM COMMITTEE
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W. Roque – Federal University of Southern Rio Grande, Brazil
R. Sablatnig – Vienna University of Technology, Austria
A. Sánchez – King Juan Carlos University, Spain
C. Sansone – University of Naples Federico II, Italy
N. Sapidis – University of the Aegean, Greece
A. Savva – University of Nicosia, Cyprus
G. Scheuermann – University of Leipzig, Germany
J. Serra-Sagrista – Autonomous University of Barcelona, Spain

S.A. Suandi – University Sains Malaysia, Malaysia
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J.M. Tavares – University of Porto, Portugal
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H. Ugail – University of Bradford, United Kingdom
L. Wendling – LORIA, France
L. Yaroslavsky – Tel Aviv University, Israel
P. Yuen – Hong Kong Baptist University, PR China
J.F. Zelasco – University of Buenos Aires, Argentina

SUBMISSION OF PAPERS
Initial Papers
Submit your paper via our website at:
www.iasted.org/conferences/submit-652.html.
All submissions should be in Adobe Acrobat (.pdf) format. The IASTED Secretariat must receive your paper by **March 9, 2009**. Receipt of paper submission will be confirmed by email.

Complete the online initial paper submission form designating an author who will attend the conference and provide four key words to indicate the subject area of your paper. At least one of the key words must be taken from the list of topics provided under Scope. Initial paper submissions should be approximately six pages. Formatting instructions are available at: www.iasted.org/formatting-initial.htm.

Authors are responsible for having their papers checked for style and grammar prior to submission to IASTED. Papers may be rejected if the language is not satisfactory.

Notification of acceptance will be sent via email by **April 20, 2009**. Final manuscripts are due by **May 25, 2009**. Registration and final payment are due by **June 1, 2009**. Late registration fees or paper submissions will result in the papers being excluded from the conference proceedings.

Final Papers
Send your final manuscripts via email to: finalpapers@iasted.org. The subject line for the final manuscript submission must include your six-digit paper number. The formatting instructions can be found at: www.iasted.org/formatting-final.htm and must be strictly followed. The page limit for final papers is six single-spaced pages in 10 point Times New Roman font. Only one paper of up to six pages is included in the regular registration fee. There will be an added charge for extra pages and additional papers.

TUTORIALS
Proposals for three-hour tutorials should be submitted online by **March 9, 2009**. Tutorials are to be submitted via the following website address:
http://www.iasted.org/tutorialsubmit-652.html.
A tutorial proposal should clearly indicate the topic, background knowledge expected of the participants, objectives, time allocations for the major course topics, and the qualifications of the instructor(s).

SPECIAL SESSIONS
Persons wishing to organize a special session should submit a proposal via email to calgary@iasted.org. Proposals should include a session title, a list of the topics covered, and the qualifications and brief biography of the session organizer(s). Papers submitted to the

special session must be received by **March 9, 2009**, unless otherwise stipulated by the Special Session Organizer. A minimum of five papers must be registered and fully paid in order for this session to be included in the conference program. More information on special sessions is available at: www.iasted.org/conferences/sessionsubmit-652.html.

JOURNALS
Expanded and enhanced versions of papers published in the conference proceedings can also be considered for inclusion in one of the IASTED Journals. Information on the submission of papers to journals is available at: www.actapress.com/SubmissionInfo.aspx.

Whole proceedings as well as single papers can now be purchased online. Please visit ACTA Press: www.actapress.com.

IMPORTANT DEADLINES
Submissions due	March 9, 2009
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Registration and full payment	June 1, 2009

For more information, or to be placed on our mailing list, please contact:
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