

# Multimedia Systems and Applications IX (IT405)

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Proceedings for this conference will be available at the meeting. Manuscripts for on-site proceedings are due by 10 July 2006.

New frontier in multimedia experience is continuously emerging with exciting prospects that promise delivery of contents in a ubiquitous way. Such information exists in digital form has brought forward state-of-the-art technologies that would continuously provide infrastructure which allow the exchange and transformation of information in a pervasive and intelligent manner and at the same time opens a wide variety of continuously new applications for such a communication. With the exponential advances in computers and increasing availability of bandwidth as well as declining cost of storage technologies, it is envisaged that multimedia technologies will bring new capabilities and breakthrough to users in an immersive way that was once impossible. On the other hand, with the growing availability of digital multimedia information, there is undoubtedly a strong concern over unprotected delivery and distribution. This conference brings together practitioners and researchers working in all aspects of multimedia content creation and content dissemination. This conference will serve as a forum for exchange of novel ideas on multimedia application development, multimedia communication networks, strategies for the communication of multimedia information, security issues related to the distribution of multimedia and standards and issues relevant to the multimedia data types. Presenters are encouraged to demonstrate their solutions, the underlying concepts behind these technologies, and the compromises required when

implementing such technologies within the real-world resource constraints.

Prospective authors are invited to submit an electronic version (PDF format) of a 1000 word abstract of their papers for review. Papers are solicited in all areas of multimedia systems and multimedia applications including, but not limited to:

- content-based searching and query processing
- multi-modal analysis (text, audio, image, and video)
- languages for media content describing and exchanging
- video browsing, audio browsing, and thumbnailing
- performance evaluation measures
- security and integrity of multimedia databases
- digital rights management
- wireless multimedia systems and technology
- QoS management and control, synchronization
- rate control mechanisms (CBR, VBR, ABR)
- error concealment and loss recovery
- secure multimedia communications
- watermarking and copyright protection schemes
- standards for audio-visual communications
- DTV and storage-based systems and technology
- internet applications, home shopping, games
- video conferencing and collaboration environments
- multimedia system implementations
- technology for universal multimedia access
- compressed-domain processing
- distributed multimedia applications
- immersive and interactive multimedia systems
- scalable audio/video processing.

**Abstract Due Date: 20 March 2006**  
**On-Site Manuscript Due Date: 10 July 2006**

## Submission of Abstracts for *Optics East 2006* Symposium

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### IMPORTANT!

Submissions imply the intent of at least one author to register, attend the symposium, present the paper (either orally or in poster format), and submit a full-length manuscript for publication in the conference Proceedings.

All authors (including invited or solicited speakers), program committee members, and session chairs are responsible for registering and paying the reduced author, session chair, program committee registration fee. (Current SPIE Members receive a discount on the registration fee.)

### Instructions for Submitting Abstracts via Web

You are **STRONGLY ENCOURAGED** to submit abstracts using the "submit an abstract" link at:

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Submitting directly on the Web ensures that your abstract will be immediately accessible by the conference chair for review through MySPIE, SPIE's author/chair web site.

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IMPORTANT! To ensure proper processing of your abstract, the SUBJECT line must include only:

**SUBJECT: IT405, RAHARDJA, KIM, TIAN, CHEN**

Your abstract submission must include all of the following:

1. **PAPER TITLE**
2. **AUTHORS** (principal author first) For each author:
  - First (given) Name (initials not acceptable)
  - Last (family) Name
  - Affiliation
  - Mailing Address
  - Telephone Number
  - Fax Number
  - Email Address
3. **PRESENTATION PREFERENCE** "Oral Presentation" or "Poster Presentation."
4. **PRINCIPAL AUTHOR'S BIOGRAPHY** Approximately 50 words.
5. **ABSTRACT TEXT** Approximately 250 words.
6. **KEYWORDS** Maximum of five keywords.

### Conditions of Acceptance

- Authors are expected to secure funding for registration fees, travel, and accommodations, independent of SPIE, through their sponsoring organizations before submitting abstracts.
- Only original material should be submitted.
- Commercial papers, papers with no new research/development content, and papers where supporting data or a technical description cannot be given for proprietary reasons will not be accepted for presentation in this symposium.
- Abstracts should contain enough detail to clearly convey the approach and the results of the research.
- Government and company clearance to present and publish should be final at the time of submittal. Authors are required to warrant to SPIE in advance of publication of the Proceedings that all necessary permissions and clearances have been obtained, and that submitting authors are authorized to transfer copyright of the paper to SPIE.

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- Applicants will be notified of abstract acceptance by mail no later than 9 July 2006. Early notification of acceptance will be placed on SPIE Web the week of 11 June 2006 at [spie.org/events/oe](http://spie.org/events/oe)
- Final placement in an oral or poster session is subject to the Chairs' discretion. Instructions for oral and poster presentations will be included in your author kit. All oral and poster presentations are included in the *Proceedings of SPIE*, and require presentation at the meeting and submission of a manuscript.

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