



# IEEE International Conference on Intelligent Information Hiding and Multimedia Signal Processing

December 18 – 20, 2006

Pasadena Conference Center

Pasadena, CA, USA

Sponsored by:  
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## IIH-MSP 2006 Call for Papers

### Conference Description

**IIH-MSP 2006** is the second International Conference on Intelligent Information Hiding and Multimedia Signal Processing. The conference this year is sponsored and organized by IEEE Circuits and Systems Society ([www.ieee-cas.org](http://www.ieee-cas.org)) and technically sponsored by IEEE Systems Council, IEEE-CAS Technical Committee on Multimedia Systems and Applications, and IEEE-CAS Technical Committee on Neural Systems and Applications. Multimedia technologies with an increasing level of intelligence are emerging to enable the process of creating a global information infrastructure that will interconnect heterogeneous computer networks and various forms of information technologies around the world. The conference is intended as an international forum for researchers and professionals in all areas of information hiding and multimedia signal processing. We invite submissions of papers presenting a high-quality original research and development for the conference tracks: (1) Information Hiding and Security, (2) Multimedia Signal Processing and Networking, and (3) Bio-inspired Multimedia Technologies and Systems. IIH-MSP 2006 will be held at the Pasadena Conference Center ([www.pasadenacal.com/faciliti.htm](http://www.pasadenacal.com/faciliti.htm)), Pasadena, California, an excellent conference facility in one of USA's most cosmopolitan cities only a short journey from some of the most attracted theme-parks in the world from 18-20 Dec. 2006. For all paper submission instructions, the copyright form and the registration form and other related questions please consult the IIH-MSP web site (<http://www.iih-msp.org/> or <http://bit.kuas.edu.tw/~iihmsp06/>).

### Topics of Interest

Topics of interest include, but are not limited to:

#### Track I: Information Hiding and Security

- Watermarking: techniques, attacks, protocols, applications
- Steganography and steganalysis: techniques, protocols, applications
- Cryptography and cryptanalysis: techniques, protocols, applications
- Data authentication issues and access control themes
- Broadcast and public-key encryption
- Forensic analysis and tracing traitors
- Digital rights management and legal aspect
- RFID security and home network privacy
- Platform integrity and trusted computing
- Systems engineering and development for information hiding & security
- VLSI/ASIC/FPGA/SOC design and implementation for information hiding & security
- Enabling technologies and emerging standards for information hiding & security

#### Track II: Multimedia Signal Processing and Networking

- Multimedia sensing and sensory systems
- Multimedia source coding and channel coding
- Multimedia signal analysis and visualization
- Multimedia signal mining and data fusion
- Multimedia networking and communication techniques (wired & wireless)
- Multimedia/multimodal signals interpretation and automatic recognition
- Multimedia databases and retrievals
- Multimedia hyperlink techniques and applications
- Advances in multimedia content description interface (e.g. MPEG-7)
- Advances in multimedia framework: (e.g. MPEG-21)
- Advances in multimedia wireless sensors network

#### Track III: Bio-Inspired Multimedia Technologies and Systems

- Systems engineering and development for multimedia systems
- VLSI/ASIC/FPGA/SOC design and implementations for multimedia systems
- Enabling technologies and emerging standards for multimedia applications
- Artificial neural networks for multimedia processing: models, learning paradigms,

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Peter Pirsch, University of Hannover, Germany

architectures, and implementations

- Fuzzy systems and evolutionary computing for intelligent multimedia processing  
- Human-machine multimodal interaction: e.g. face/speech recognition, facial expression and emotion categorization, gesture analysis and recognition, etc.

#### IIH-MSP-06 Important Dates

Regular Paper Submission: **August 1, 2006**  
Notification of Acceptance: **September 7, 2006**  
Camera-ready Paper Submission & Pre-registration: **October 1, 2006**  
Date for the Conference: **December 18-20, 2006**

#### Submission of Papers

Papers are invited from prospective authors with interests on the indicated scope and related areas of application. All contributions should be original and not published elsewhere or intended to be published during the review period. Details of the required paper format and submission details are posted in [the IIH-MSP web site \(http://www.iih-msp.org/\)](http://www.iih-msp.org/). To ensure high quality, all papers will be thoroughly reviewed by the Program Committee. **The proceedings will be published by IEEE Computer Society Press.** Please refer to the IEEE website ([http://www.ieee.org/portal/cms\\_docs/pubs/confstandards/pdfs/Author-PDF-Guide-V32-WIN.pdf](http://www.ieee.org/portal/cms_docs/pubs/confstandards/pdfs/Author-PDF-Guide-V32-WIN.pdf)) for directions on the Paper Format which must be strictly followed. **Manuscripts are asked to submit online via <http://bit.kuas.edu.tw/~iihmosp06/>.** All oral and poster papers must be presented by one of the authors who must register and pay fees. Please note that papers should be no longer than **four pages**. Papers longer than this will be subject to an additional page charge.

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