

Call For Papers TAIMA'2013 Traitement et Analyse de l'Information Méthodes et Applications May 13-18, 2013, Hammamet, Tunisia

Co-chairs

F. Ghorbel

ENSI, Cristal / GRIFT, Tunisia

faouzi.ghorbel@ensi.mu.tn

J.-P. Haton

LORIA/INRIA, Université de Lorraine, France

Jean-Paul.Haton@loria.fr

Ch. Roux

Telecom Bretagne, INSERM, France

christian.roux@telecom-bretagne.eu

Steering Committee

A. Hillion, Telecom Bretagne, France

B. Garcia Zapirain, Deusto University, Spain

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The International workshop **TAIMA** is one of the leading francophone conferences in the field of information processing and analysis. TAIMA brings together leading scientists to review and discuss state-of-the-art technologies and research results in this field and their application to address the major socio-economic issues faced by the Mediterranean region and related to the protection of the environment and sustainable development, telecommunications and multimedia, culture, health and security.

TAIMA'2013, the eighth in the series that has been held biannually since 1999, will take place in Hammamet (Tunisia), from the 13th to 18th of May 2013. TAIMA'2013 is sponsored by ARTS-PI (Association de Recherche Tunisienne des Sciences Pour l'Image), the Institut National de Recherche en Informatique et Automatique (INRIA), the Ecole Nationale des Sciences de l'Informatique de Tunis (ENSI), the Ecole Nationale Supérieure des Télécommunications de Bretagne (Telecom Bretagne), the Société Française de Génie Biologique et Médical (SFGBM) and the Groupement de Recherche en Traitement du Signal et des Images (GRETSI).

Prospective authors are invited to submit papers presenting fundamental theoretical and/or experimental research results in the fields of telecommunications and speech, image and information processing. Submissions presenting original algorithms, models, systems and applications in the areas of image analysis, mono- and multi-dimensional signal processing will be particularly appreciated. Applications related to biomedicine, remote sensing, cultural heritage valorization will be especially valued.

The conference will include a series of special sessions given by distinguished researchers working on cutting-edge technologies and applications. Poster sessions and demonstrations will complete the oral sessions to provide participants with a pleasant and enriching scientific experience.

The best papers with significant methodological contributions and/or original applications in the field of signal processing will be published in a special issue of the journal **Traitement du Signal**.

A special edition of the journal **Ingénierie et Recherche Biomédicale** will publish a selection of the best papers presenting innovative research works in the field of health and biology.

As in previous editions, papers accepted by the program committee will be published in a book published by the Arts-Pi Editions.

Faouzi Ghorbel, Jean Paul Haton and Christian Roux
Co-chairs of the workshops

Organizing Committee

F. Chaieb

ENSI, Cristal / GRIFT, Tunisia

faten.chaieb@ensi.mu.tn

K. Mamou

Montréal, Canada

Khaled_mamou@yahoo.fr

M. Jribi

ENSI, Cristal / GRIFT, Tunisia

Majdi.iribi@ensi.rnu.tn

Important dates

Deadline for paper submission (Extended)

November 15, 2012

Notification of acceptance

January 20, 2013

Submission of camera-ready papers

February 10, 2013

Topics

- Representation, description, analysis of shapes and motion.
- Curves and surfaces, 3D image modeling.
- 3D and 4D mesh compression and representation.
- 1D, 2D, 3D and 4D invariants.
- Stochastic modeling of images, classification and dimension reduction.
- Medical information processing.
- Texture analysis and texture mapping.
- Reconstruction and 3D vision.
- 3D/4D face recognition, biometrics and security of digital content.
- Coding standards, compression and indexing.
- Analysis and representation of speech and audio signals.
- Models for speech recognition and understanding.
- 3G/4G mobile radio communications.
- Representation and description of information.
- Temporal series and financial applications.

Applications

- Indexing and search engines
- Video surveillance
- Medical imaging
- Speech and audio, digital communication
- Remote sensing and oceanographic
- Robotic vision
- Valorization of cultural heritage
- Brain-machine interaction

Submission

Papers are selected based on the following criteria: importance and originality of the contribution, quality and impact of scientific research, testing and experimental validation phase. Contributions will be presented as oral communications, posters or demonstrations as determined by the program committee. All papers will be published in the workshop proceedings, which will be provided to all participants.

<http://www.arts-pi.org.tn/taima2013/>

