

## PRICES

Participants, ISS Members:	600 €
Participants, not ISS Members:	800 €
Accompanying persons:	300 €

The above listed prices cover the following:

- lunch (each day of the congress)
- banquet and other activities
- transportation inside Saint-Etienne
- admission to all sessions, including refreshments
- conference materials, including conference proceedings

Courses for PhD and Master's students : 150 €

A limited number of bursaries will be available for young scientists.

Applications should be sent to the Organizing Committee.

**Contact:** ICS XII  
ISTASE  
18, rue du Prof. Benoît Lauras  
42000 SAINT-ETIENNE  
France

[ICSXII@univ-st-etienne.fr](mailto:ICSXII@univ-st-etienne.fr)  
<http://ICSXII.univ-st-etienne.fr>

Secretaries: Flora JOURLIN  
(Université Jean Monnet)

Nathalie GIBERT  
(Pôle Optique Rhône-Alpes)

## SAINT-ETIENNE ASSETS

- From a scientific or an industrial point of view, Rhône-Alpes Region is the second one in France, and probably the first if we consider the biomedical research in image processing: TIMC, CREATIS... and other labs.
- Saint-Etienne has developed a strong scientific environment in the fields of Image Processing and Optics (TSI Lab, Pôle Optique Rhône-Alpes)
- The Rhône-Alpes Region presents a net of Labs and Research structures :
  - In Grenoble (150 km): ERSF (Microtomography), CENG LETI, TIMC, LIS, CSTB, CTP...
  - In Lyon (60 km): CREATIS, LISSE, ITF...
- Venue :
  - TGV (2h45 from Paris)
  - Airports : Saint-Exupery (Lyon),  
Boutheon (Saint-Etienne)
- Miscellaneous :
  - Social program for accompanying persons (included in fees) : Saint-Etienne (Museums), Lyon, Grenoble, Bourgogne...
  - Laboratories visits



## ICS XII - 2007

## INTERNATIONAL CONGRESS OF THE ISS

August 30 to September 07

Centre des Congrès,  
Saint-Etienne, France

Web access: <http://ICSXII.univ-st-etienne.fr>



SAINT-ETIENNE  
Centre de Congrès  
Fauriel

## First Circular and Call for Papers



Under the auspices of  
International Society for  
Stereology

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## GENERAL FRAME AND TOPICS OF THE CONGRESS

### "IMAGE ANALYSIS AND STEREOLOGY: INDUSTRIES INVOLVED IN HUMAN PROGRESS"

The 12<sup>th</sup> International Congress of Stereology, ICS XII, will be held in Saint-Etienne, France, and will focus on theoretical and applied aspects of Image Analysis and Stereology, with a special emphasis on Human aspects: health, safety, quality...

#### August 30 (Thursday) and 31 (Friday)

Courses dedicated to students in the Master's degree and PhD students (+ interested persons).

#### September 3, 4, 5, 6, 7

Communications on the following topics:

#### a) Fundamentals tools

- Stereology
- Geometrical and Topological tools: 2D and 3D shape factors, norms, metrics, gauges, discrete geometry
- Main mathematical and physical transforms: Fourier, Karhunen-Loève, Walsh-Hadamard, Wavelets, Time-Frequency...
- Stochastic tools
- Texture evaluation
- Image enhancement
- 3D reconstruction
- Colour images
- Modelisation: human vision, non linear processing...

#### b) Applications

- Microstructures
- Biology
- Materials
- Tomography, X-ray Scanner, PET-scan...
- High Resolution Imaging in Remote Sensing
- Astronomy
- Night vision
- Vision, industrial control, real time aspects
- Information Systems, electronic architectures...

## ORGANIZATION OF SESSIONS

- Each plenary session will be opened by a key-note speaker
- Parallel sessions with oral communications will be organized
- Poster sessions will be planned with a chairman per session
- A special prize will be attributed to the best posters and to the best communications by young scientists

## PROCEEDINGS

- The proceedings of all the communications will be available at the beginning of the Congress
- Authors of the best contributions, selected by the international advisory board will be invited to prepare extended versions of their papers for publication in a special issue (in "Image Analysis and Stereology")

## IMPORTANT DATES

- 1<sup>st</sup> call for papers: February 2006
- 2<sup>nd</sup> call for papers: June 2006
- 3<sup>rd</sup> call for papers: September 2006
- Submission of papers: October 2006
- Preliminary registration: October 2006
- End of the reviewing process: February 2007
- Final version of papers: April 2007
- Conference fee, conference program: May 2007
- Final registration: May 2007

