# International Workshop on Multivariate Image Analysis

September 28-29, 2009
Valencia (SPAIN)

GIEM — Grupo de Ingeniería Estadística Multivariante

UNIVERSIDAD POLITECNICA DE VALENCIA

DEIOAC VALENCIA

## Scientific Committee

- **John F. MacGregor**

  Full Professor. Mc Master University, (Canada)

- **Anna de Juan**

  Associate Professor. Universidad de Barcelona (Spain)

- **Alberto Ferrer**

  Full Professor. Universidad Politécnica de Valencia (Spain)

- **Marina Cocchi**

  Associate Professor. Università degli Studi di Modena e Regio Emilia (Italy)

## Organising committee

- **Alberto Ferrer**

  Full Professor. Universidad Politécnica de Valencia (Spain)

- **José Camacho**

  Postdoctoral researcher. Universitat de Girona (Spain)

- **José Manuel Prats-Montalbán**

  Lecturer. Universidad Politécnica de Valencia (Spain)

- **José M. González-Martínez**

  PhD student. Universidad Politécnica de Valencia (Spain)

## General Information

REGISTRATION FEES:

|  | EARLY PRICE | NORMAL PRICE |
| --- | --- | --- |
| Ordinary participant | 160€ | 200€ |
| PhD students | 110€ | 150€ |

Universidad Politécnica de Valencia (Spain).

REGISTRATION DATES: 1st of July to 13th of September 2009.

### MORE INFORMATION

Department of Applied Statistics, Operations Research and Quality
Multivariate Statistical Engineering Group
Camino de Vera s/n, Edificio 7A, Valencia, Spain
http://mseg.webs.upv.es/MIA_Workshop/index.html
jopramon@eio.upv.es
Tel: +34  96 3877007 ext. 74932
Fax: +34 96 3877499

## PRESENTATION

The International Workshop on Multivariate Image Analysis is a multidisciplinary symposium aimed at gathering international experts and research groups focused on image analysis with multivariate projection models. Multivariate Image Analysis (MIA) is a powerful, computationally efficient and non-invasive technology to extract the relevant information in an image. This information can be employed for classification, inference or process monitoring.

## GOAL

The main goal of the workshop is to provide a discussion forum to share knowledge and developing skills among groups, and to compare MIA with others techniques, typically emerged from the field of computer science. It also aims at providing potential application areas, such as agriculture, food technology, industry or medicine; pointing out the problems and limitations that may become future research lines.

At the same time, the workshop is devoted to bring these techniques closer to new groups interested in image analysis, and to establish multidisciplinary links between them, easing the technology transference to potential users.

The workshop is not limited to research groups on Multivariate Image Analysis, but to anyone interested in image analysis as a methodology for classification, prediction of quality standard, or process monitoring.

## CONTRIBUTIONS

You are invited to prepare a poster, which will be exposed during all the workshop. Special sessions will allow you to present this poster.

The one-page abstract should contain the title, authors and the body of the text. The deadline for sending it is 6th of September 2009.

## INVITED SPEAKERS

- **John F. MacGregor (Mc Master University, Canada)**

Multivariate Image Analysis

- **Marina Cocchi (Università degli Studi di Modena e Reggio Emilia, Italy)**

Mutlivariate Images Analysis and Image Feature Selection in WT Domain Considering Both Cases Where Spatial Location of Relevant Features Matters or Not.

- **Anna de Juan (Universitat de Barcelona, Spain)**

Chemometrics for Image Resolution: Revealing the Meaning of the Raw Measurement.

- **José Manuel Prats & Alberto Ferrer (Universidad Politécnica de Valencia, Spain)**

Integration of Image Analysis and Multivariate Image Analysis.

- **Marco S. Reis (Universidade do Coimbra, Portugal)**

Analysis and Monitoring of Higher-Order Profiles.

- **Fernando López (Universidad Politécnica de Valencia, Spain)**

Defect Detection in Random Color Textures Using a Multivariate Image Analysis Approach.

- **José Blasco (Instituto Valenciano de Investigaciones Agrarias – IVIA, Spain)**

Advances and developments in machine vision systems for the automatic fruit quality evaluation.

- **Irene Epifanio (Universidad Jaume I, Spain)**

Stochastic Geometry and Functional Data Analysis in Image Analysis.

- **Luis Martí Bonmatí (Hospital Universitario Dr. Peset and Hospital Quirón Valencia, Spain)**

Multivariate Analysis in Medical Imaging

- **Ana Garrido Vano (Universidad de Córdoba, Spain)**

Smoothly Moving From Single Point-bulk Spectroscopy to Hyperspectral for Agro-food Applications.

- **José Manuel Amigo-Rubio (Copenhagen University, Denmark)**

NIR-CI in Pharmaceutical Research: resolution and segmentation issues.