EUROMECH 406

EUROPEAN MECHANICS SOCIETY **Colloquium**

Image Processing Methods in Applied Mechanics

May 6-8, 1999
Warsaw, Poland

Chairman:
Tomasz A. Kowalewski
Polish Academy of Sciences

Co-Chairman:
Witold Kosiński,
Polish Academy of Sciences

Co-Chairman:
Jürgen Kompenhans
DLR Göttingen

First Announcement and Call for Abstracts
Deadline** for submission of an extended abstract **January 10, 1999

The EUROMECH 406 Colloquium aims to create a common platform for groups working on development and application of modern image acquisition and image processing methods in fluid and solid mechanics. Recent progress in image recording and analysis techniques has introduced revolutionary changes into experimental methods in mechanics. However, we often observe that the development of image processing techniques in both fields of mechanics proceeds on parallel paths, very often solving similar problems without knowing from each others work. The EUROMECH 406 meeting should help participants to gain knowledge and allow critical assessment of similarities or differences between image processing methods used in applied mechanics today.

Proposed topics of the meeting:
- Pattern recognition, analysis of size, shape and deformation
- Motion analysis, full field measurements of velocity
- Thermography (infrared, liquid crystals), scalar field measurements
- Stress and strain analysis
- Structure analysis, measurement of species concentration
- Three-dimensional image analysis, tomography
- New image acquisition methods: high speed & high resolution techniques.

Please declare your intention to attend the Colloquium and to present a paper not later than January 10, 1999. The scientific committee will inform you of the acceptance of your contribution on February 28, 1999. Mailing address: IPPT PAN, Swietokrzyska 21, PL 00-049 Warsaw, Poland. Fax: +48-22-8269815, E-mail: euro406@fluid.ippt.gov.pl.

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As usual for EUROMECH Colloquia attendance will be limited to about 50 participants. Accepted papers will be given by oral presentation. A small abstract volume will be published and provided to participants. Authors are encouraged to submit full papers, to be published in a special issue of Machine Graphics & Vision.
Further details can be found at Euromech 406 Home Page: http://fluid.ippt.gov.pl/~euro406/