

Special Sessions on Image Correlation: *Recent Developments and Applications*



Organized by Professors

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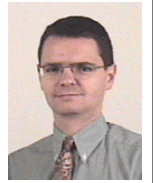


Image Correlation is a powerful, computer vision technique used throughout the world for recovering the time-varying shape and displacements of planar or curved objects. In the field of experimental mechanics, both two-dimensional and three-dimensional (surface and volume) image correlation-based computer vision methods are being used to measure full-field deformations in a wide range of important applications (e.g., fracture, fatigue, impact, bio-mechanics).

Both *invited talks* and a select number of general submissions will be considered for presentation at the conference. In addition to the organizers, a tentative list of invited speakers includes the following scientists and engineers; Dr. Michel BORNERT (Fr,2); Dr. Dorian GARCIA (USA/Fr), Prof. Dr.-Ing. Rainer TUTSCH (Ger), Dr. Jeffrey KYSTAR (USA), Dr. Brian BAY (USA), Dr. Stephen MCNEILL (USA), Dr. Hugh BRUCK (USA), Dr. François HILD (Fr,2), Dr. Eddie O'BRIEN (UK), Dr. Hubert SCHREIER (USA), Dr. Ioannis CHASIOTIS (USA), Nicolas CORNILLE (Fr/USA),

General areas of interest include, but are not limited to, the following topics.

Recent advances in calibration methods for 2D and 3D computer vision systems
Recent developments in image correlation analysis methodology
Recent theoretical and computational advances in computer vision
Error evaluation in 2D and 3D computer vision systems
3D volumetric/tomographic measurement systems
Applications to large structures
Applications to biological material systems
Applications at the micro-scale and nano-scale

Abstract submission guidelines

Abstract submission guidelines are given under the heading "Abstract submission" in the ICEM12 home page. Please note the area, *Image Correlation*, in the column of the proposed topics. In the cell "Additional topics", you may enter one of the sub-topic areas noted above or a new sub-topic area if appropriate.

Abstract submission guideline

Authors are requested to submit via web an **extended abstract** of **two pages** by **January 31, 2004** following instructions on ICEM12 website www.icem12.poliba.it. Only **electronic submissions** will be accepted: please do not fax, do not send duplicate submissions.

Contact ICEM 12 Secretariat for details

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**For any further information don't hesitate, please, to contact the Special Technical Committee
On Image Correlation of ICEM 12:**

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