

Inverse Problems Methodologies - Updated April 2011

The Technical Division (TD) on Inverse Problem Methodologies (IPM) within the Society for Experimental Mechanics (SEM) exists to promote inverse problem methodologies to approach practical experimental solid mechanics problems by a synergic use of experimental, analytical and numerical tools. The IPM TD meeting was held at the SEM Annual Conference on June 8, 2010 in Indianapolis, IN, USA.

During the 2010 TD Annual Meeting ten potential sessions have been proposed for the 2011 Conference:

- Identification from Full-Field Measurements-General Session (2 sessions): Organizer-Fabrice PIERRON
- Identification from Full-Field Measurements-Biological Systems: co-sponsored with Biological Systems & Materials TD: Organizer-Fabrice PIERRON
- Identification from Full-Field Measurements-Residual Stress: co-sponsored with Residual Stress TD: Organizer-Fabrice PIERRON
- Identification from Full-Field Measurements-Dynamic Behavior of Materials: co-sponsored with Dynamic Behavior of Materials TD
- Identification from Full-Field Measurements-Optical Methods: co-sponsored with Optical Methods & Applied Photoelasticity TD

The upcoming 2011 SEM Conference will include the following sessions:

- Session 004 Identification From Full-field Measurements - Biological Systems with the keynote presentation of Dr. J.D. Humphrey.
Organized by S. Avril, K. Genovese, F. Pierron- Cosponsored with Biological System and Materials TD
- Session 049 Identification From Full-field Measurements
Organized by F. Pierron