

MEETINGS OF INTEREST

This is your opportunity to get involved in planning IMAC-XXXI!
We will even provide pizza!

The following meetings will take place at 12:00 PM on Tuesday, January 31. One of the goals for these meetings is planning for IMAC-XXXI. It is the hope of the Advisory Board that by providing a space for everyone to meet to hold their TD and Focus Group meetings at a time when there are no sessions going on, there will be increased collaboration and idea generation for sessions and programs for IMAC-XXXI.

Civil Structures Testing Technical Division Meeting

Tuesday, January 31, 2012 • 12:00 PM

The Civil Structures Testing TD serves as a primary focal point within the SEM umbrella for technical activities devoted to civil structures testing, monitoring, and assessment. The TD was established to address the needs of its SEM member community and to impact structural test and monitoring issues in the larger civil structures professional community and related technical disciplines. The TD holds its annual meeting during IMAC highlighting the significant technical content and TD member conference activities devoted to the study and monitoring of large-structure dynamic response to environmental loads.

The TD provides a unique multidisciplinary forum to disseminate and exchange information on new research and technical developments in the testing, identification, and assessment of large in-situ structural systems. TD goals include the identification of critical research needs and the validation and dissemination of emerging methods and promising technologies that address the unique demands of the civil structures test environment. Conference activities of the TD include organization of special sessions, program tracks, and short courses. In the future, the TD will support the development of workshops and the publication of manuals or monographs that respond to identified needs of the TD member community and facilitate transfer of technologies and methods to the larger professional community.

The next annual meeting of the TD is scheduled during IMAC-XXX on Tuesday, January 31, 2012, 12:00 pm. An agenda for the meeting will be distributed to TD and Committee members via email one month prior to the conference. New members and conference participants are welcome. The TD communicates with TD members via a TD meeting attendee email list that has been developed over the last five years. Meeting minutes, announcements, and actions from annual meetings are distributed to TD members and others via this list.

Model Validation & Uncertainty Quantification Technical Division Meeting

Tuesday, January 31, 2012 • 12:00 PM

The purpose of the Model Validation and Uncertainty Quantification (MVUQ) Technical Division is to create a forum to educate and contribute to the advancement and application of model Verification and Validation (V&V) and uncertainty quantification methods in Structural Dynamics. Over the past seven years, the TD has organized many technical sessions at several SEM Conferences. One goal of the TD remains to broaden the involvement of all stakeholders, from industry to academia, such that the practice of V&V and uncertainty quantification becomes more robust as it matures. All who share our interest for V&V are welcome to attend the meeting, join the TD, and help to define its role and mission.

So, please stop by on Tuesday at 12:00 PM. If you are not interested in one of the TD or Focus Group meetings, stop by and talk with the Program Planning Committee members who will be there, or attend their meeting on. This is your chance to get involved and help shape IMAC-XXXI.

Location will be announced on-site.

Experimental Dynamics Substructuring Focus Group Meeting

Tuesday, January 31, 2012 • 11:30 AM

The Experimental Dynamics Substructuring Focus Group is responsible for organizing sessions, tutorials, and panel discussions related to both analytical and experimental-analytical substructuring. We will meet to organize sessions, tutorials, and panel discussions for the next IMAC conference and to coordinate efforts on the benchmark system. All interested persons are welcome.

Modal Analysis & Dynamic Systems Technical Division Meeting

Tuesday, January 31, 2012 • 12:00 PM

All IMAC attendees are welcome to attend. The Modal Technical Division exists to promote the area of modal analysis and structural dynamics within SEM. The Division is constantly seeking new ideas and volunteers to participate in activities which will further the scientific and educational knowledge of modal analysis and dynamic systems.

The Modal TD has sponsored the Basics of Modal Analysis for the New/Young Engineer program for many years. The recent round robin sessions on Modal Parameter Estimation and Operating Modal Analysis were also developed and sponsored by the Modal TD. If you have ideas for special sessions or programs at IMAC bring your ideas to this meeting.

At this year's meeting, we will be making plans for IMAC 2013, the 31st anniversary of the conference. In addition to plans for 2013, we will also be discussing how this Technical Division can serve all engineers and technicians working in the field by being a source of knowledge and information. Once again, all are welcome to attend. Please bring us your ideas

Applications Committee Meeting

Monday, January 30, 2012 • 2:30 PM

The purpose of the Applications Committee is to provide a forum for individuals in the field of Experimental Mechanics who are working on a more practical level than pure research. Recent committee activities have been to seek to develop IMAC and SEM Annual pre-conference courses for experimental mechanics practitioners, to set up student-employer activities, and to develop applications-based conference sessions with equipment vendors. The committee welcomes participation from anyone who is interested in the more practical aspects of experimental mechanics and dynamics, including but not limited to experimentally-based researchers, commercial practitioners, and equipment vendors.

MEETINGS OF INTEREST • SOCIAL EVENTS

Sensors & Instrumentation Technical Division Meeting

Tuesday, January 31, 2012 • 12:00 PM

All IMAC attendees are invited to the annual meeting of the SEM Sensors and Instrumentation Technical Division. Our mission is to promote and encourage the exchange of non-proprietary information relating to electronic systems and components used to measure structural dynamic behavior. We have again organized a series of IMAC tutorial sessions for those who want to improve their knowledge and skill in the use of instrumentation. If you have an interest in sensors and measurement hardware or would like to offer ideas about other potential session topics, tutorials, or activities, please join us.

GUEST SPEAKERS:

Laura Rodriguez, Aries Engineering Systems
Laser Vibrometers

3D vibration measurement is conventionally performed using 3 laser scanning vibrometers (LSV) that are separately placed at three different locations. It can be also done by moving one laser scanning vibrometer to three different locations. This method provides a great advantage of high cost-effectiveness. For this method, it is mathematically investigated how the angles are obtained between arbitrary LSV locations and how the angles are obtained between the laser beams and coordinate axes attached normal to the scanning mesh points.

Thomas Reilly, Data Physics
Shock Analysis

Shock Response Spectra (SRS) are now widely used in many industries for shock testing. Signal analyzers and vibration control systems make the process of measuring shock response spectra and producing transients from a given shock response spectra almost trivial. However, SRS is often not completely understood, even by those who use it on a regular basis. This presentation will cover the definition of the Shock Response Spectrum and how it is used in shock testing.

Future Conference Committee Meeting

Monday, January 30, 2012 • 1:00 PM

The committee will meet to discuss planning for future IMAC conferences. All are welcome.

Experimental Techniques Editorial Meeting

Tuesday, January 31, 2012 • 10:30 AM

Those interested in learning about, or contributing to, *Experimental Techniques* through articles, editorial, or review functions are welcome to attend this meeting.

Exposition Planning Committee Meeting

Tuesday, January 31, 2012 • 12:00 PM

The committee will meet to discuss future Exposition planning for IMAC.

IMAC Program Planning Committee Meeting

Wednesday, February 1, 2012 • 10:00 AM

The committee will meet to receive feedback from Technical Divisions, Focus Groups, and others as to their plans for IMAX-XXXI. Each Technical Division and Focus Group is asked to send a representative to this meeting if possible.

XXXI Pre-Technical Planning/Focus Group

Monday, January 30, 2012 • 3:30 PM

IMAC-XXX Welcome Reception

Monday, January 30, 2012 • 6:30 PM

Everyone at IMAC-XXX is invited to attend the Welcome Reception. A staple at every IMAC, this reception is a terrific chance to reacquaint yourselves with fellow attendees, students, Exhibitors, and guests, as well as meet those who are new. It is a wonderful way to begin the conference.

Spouse/Guest Program

Monday, January 30 - Thursday, February 2
8:30-10:00 AM

The Spouse/Guest Hospitality Room will be open Monday through Thursday from 8:30 AM until 10:00 AM. Spouses and guests are invited to meet there to enjoy refreshments while renewing old friendships, making new acquaintances, and planning the day's activities.

Brüel & Kjær Customer Appreciation Event

Wednesday, February 1, 2012

Stop by the Brüel & Kjær booth in the Exposition for details.