

**Third International Workshop on Joint
Mechanics**

August 16 – 17, 2012

**Hyatt Regency, McCormick Place
Chicago, Ill, USA**

Workshop Agenda

Thursday, August 16th, 2012

Location: Hyatt Regency Hotel, McCormick Place, Meeting Suite 4

- 0900 Welcome and introduction to the workshop
- 0915 Introduction of all participants
- 0930 Review of Workshop 2 outcomes – Actions and Challenges

- 1030 Coffee

- 1045 Post Workshop 2 activities, continued
- 1115 Report on ASME Research Committee, including mission, membership, and subcommittees
- 1200 Overview of Workshop 3 Objectives

- 1215 Lunch

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1330 Presentations and Discussion of Strategic Themes

Objectives: to identify the major research themes for the next 5-10 years and the groups and networks pursuing them; to define format for Workshop 3 Road Map

- Fatigue and Contact Mechanics (David Hills and David Nowell)
- Physics-based/data driven modeling (Melih Eriten)
- View from Germany (Lothar Gaul and Bernhard Stingl)
- Flight systems/satellites/weapons (AWE/Sandia)
- Vibrations/Turbine engines (Muzio Gola and Christoph Schwingshackl)
- Uncertainty Approaches to Joints and Interfaces (Marc Mignolet)
- Institutional Structure and Vision (Alex Vakakis)

1630 Review outcome of Day 1 discussions and Agenda for Day 2

1700 Close

Workshop Agenda

Friday, August 17th, 2012

- 0830 Review plan for Day 2 and specific target(s)
- 0850 Define major application needs/current and proposed research themes/research groups and networks

- 1015 Coffee

- 1030 Define Actions & Challenges 2012
- 1130 Assignments of tasks for implementation of Actions and Challenges 2012

- 1230 Close