

AMERICAN SOCIETY OF MECHANICAL ENGINEERING
APPLIED MECHANICS DIVISION
Committee on Uncertainty & Probabilistics (COUP) Meeting
November 18, 2004
Anaheim, California
Minutes

Time: November 18, 2004, Thursday, 2:30 to 4:30 pm

Attendance: Mohammad Noori (Chair, North Carolina State Univ), Ann Marie Sastry (Univ. of Michigan), Chia-Wei Wang (Univ. of Michigan), Pol Spanos (Rice Univ.), Yun-Bo Yi (Univ. of Michigan), Adriana Hera (WPI), Jason Pepin (Los Alamos Nat'l Lab), Isaac Elishakoff (Florida Atlantic Univ.), Ted Belytschko (Northwestern Univ.), Zdenek Bazant (Northwestern Univ.).

1. Welcome and Introduction

Mohammad Noori welcomed everyone to the meeting of the Committee.

2. Issues Discussed:

With 10 members present, discussion focused on how to improve the visibility of the Committee within the mechanical and aerospace engineering community and to coordinate our activities with ASCE-PMC, SAE and AIAA. Highlights of the discussions were as follows:

- Committee will organize a few sessions at IMECE each year. Vicente Romero, Jason Pepin and Ann Marie Sastry volunteered to help with session organization for IMECE 2005 in Orlando. Vicente Romero will organize a Panel Session and Jason will organize a technical session. Mohammad Noori will help with the logistics of the organization.
- Ann Marie Sastry offered to help with coordinating joint efforts with AMD-Composite Committee.
- Membership is open and we encourage all those who attend the Committee meetings join as new members. We also encourage members to organize sessions on behalf of the Committee at IMECE or joint meetings of ASME/AIAA/ASCE.
- Committee members are encouraged to publish in the ASME J. of Applied Mechanics and work with the Associate Editor (Bob McMeeking at UC Santa Barbara) to arrange for a Special Volume of ASME Appl. Mech. on Probabilistic Mechanics/Uncertainty, etc.
- It was suggested that we improve the Committee's Web Site by including the following:
 - Prepare an opinion column and invite contributions in form of Short Technical Letters and Position Papers on new topics/trends. Professor Bazant will try to contribute a position paper. Noori will contact him.
 - Other names suggested to be contacted for a position paper: Professors Shionozuka, Dimentberg, Bolotin, Crandall.
 - Announcement of new books, and important events in the Uncertainty/Probabilistic Community
 - Place important historical papers on COUP related topics

- Establish linkage with each member's web site.
- Members expressed their concerns about the high registration fees at IMECE and believe that at least one dinner should be included as part of the fee.
- Members expressed concern about the concurrent sessions for keynote talks and the large number of parallel sessions.
- It was suggested that an email petition be prepared on behalf of the committee members and submitted to ASME.
- Members are encouraged to collaborate with ASCE-PMC for organizing joint session at the next US Congress of Applied Mechanics.
- Committee should actively participate in promoting the importance of probabilistic methods in engineering through NRC, especially that the are is gaining more and more attention by industry.
- Members are encouraged to arrange for invited talks at industry, NIA, and other forums.

Meeting was adjourned at 3 p.m.

3. Next Meeting will be held in Orlando in conjunction with the IMECE

