

CIMMS: Focused Workshop on Uncertainty Management in Engineering Design

SCHEDULE

May 23, 2002

Time	Description	Speaker
Morning Session: Moderator, Jerrold Marsden, Caltech/CIMMS Director		
08:55–09:00	WELCOME, OPENING REMARKS	Jerrold Marsden, <i>Director</i>
09:00–09:45	<i>Trade-Offs, Strategies and Negotiation in Engineering Design</i>	Erik Antonsson, <i>Caltech/ME</i>
09:45–10:00	COFFEE AND DISCUSSION	
10:00–10:45	<i>Innovation and Uncertainty Systems Engineering and R & D Management: A Manifesto for Industrial Change</i>	Clas Jacobson, <i>UTRC</i>
10:45–11:00	COFFEE AND DISCUSSION	
11:00–11:45	<i>Modeling of complex systems</i>	Igor Mezic, <i>UC Santa Barbara</i>
11:45–12:30	<i>Uncertainty Management in Automobile Design</i>	Bob Lust, <i>General Motors</i>
12:30–14:00	LUNCH AND POSTER SESSION	
Afternoon Session: Moderator, Richard Murray, Caltech/Division Chair		
14:00–14:45	<i>Uncertainty and Design Margins in Space Systems Design</i>	Daniel Thunnissen, <i>Caltech</i>
14:45–15:00	COFFEE AND DISCUSSION	
15:00–15:45	<i>Subdivisions Surfaces for Multiresolution Modeling, Simulation, and Design</i>	Peter Schröder, <i>Caltech/CS & ACM</i>
15:45–16:00	COFFEE AND DISCUSSION	
16:00–16:45	<i>Uncertainty in Modeling Diabetes</i>	Dave Politdori, <i>Entelos, Inc.</i>
16:45–17:00	COFFEE AND DISCUSSION	
17:00–18:00	Panel Discussion: Richard Murray, <i>Moderator</i> All participants will spend 3-5 minutes, giving their impression of opportunities and needs in the broad area, with particular emphasis on what would have an impact on industry. Open Floor: Questions and Answers from audience. Panelists: <i>Mark Alber</i> , University of Notre Dame, Indiana <i>Patrick Antony</i> , The Boeing Co. <i>Kaushik Bhattacharya</i> , Caltech <i>J. Donndelinger</i> , General Motors <i>Mark Green</i> , IPAM, UCLA <i>Alex Fax</i> , Northrop Grumman NSD <i>Martin Lo</i> , JPL <i>Mark Myers</i> , UTRC <i>Joel Sercel</i> , Caltech	