

ASME Technical Committee on Multibody Systems and Nonlinear Dynamics (TC-MSND)

Tuesday, August 14, 2012, 6:30 PM (CST)

Meeting held in conjunction with the ASME 2012 International Design Engineering Technical Conferences (IDETC) and Computers and Information in Engineering Conference (CIE)

Minutes

Present members: Aki Mikkola (chair), Harry Dankowicz (vice-chair), Dan Negrut, (recording secretary), Bala Balachandran (over the phone), Bogdan Epureanu, József Kövecses, Rudranarayan Mukherjee, Andreas Müller, Ahmed Shabana, Eric Butcher, Corina Sandu.

Absent members: Subhash Sinha, Carlo Bottasso, Werner Schiehlen, James Critchley, Wan-Suk Yoo, Lawrence Virgin, Walter Lacarbonara, Javier Cuadrado.

Participating Committee Friends: Arend Schwab, Ronald Aarts, Kurt Anderson (over the phone).

1. **Call to order**

Meeting called to order by Aki Mikkola at 6:37 PM CST.

2. **Approval of minutes from last meeting**

Aki Mikkola inquired as to whether there were any comments about the minutes of the ASME TC-MSND phone telecom meeting of February 20, 2012. The minutes were approved by general consent.

3. **Treasurer's report**

Harry Dankowicz reported on the TC accounts. No notable change with respect to the previous balance reported to the committee by Harry in February of 2012.

4. **Conference reports**

- 2012 IDETC/DFD (H. Dankowicz) - First Biennial International Conference on Dynamics for Design (DFD) ongoing as part of the 2012 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC). Harry Dankowicz, the Vice-Chair of the TC-MSND, served (together with Dane Quinn of TCVS) as co-chair of the DFD Conference. The conference attracted 43 papers and has been organized as a single-track meeting. The meeting included three keynotes and a panel discussion that included the following panelists: Aaron Lazarus, Program Manager, DARPA, Doug Neill, Vice President, MSC, Bob Geisler, Group Manager, GM, Eduardo Misawa, Program Manager, NSF.
- 2013 MSNDC (D. Negrut/A. Mikkola) - Aki Mikkola provided an update on the progress of organizing the 2013 9th International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC) to be held in Portland, Oregon between August 4 and August 7 2013. There will be four thrust areas: "Formulations and Modeling", "Computational Methods, Algorithms, and Software", "Analytical, Experimental, and Nonlinear Dynamics", and "Applications and Education". Each will include three to four symposia. The symposia list, along with the organizers responsible for promoting and managing the submission process, has been set up by a subcommittee.
- 2014 IDETC/DFD – A general discussion was carried out in relation to whom will next organize the 2014 DFD event. In order to address this issue the MSND meeting was joined by the members of the Technical Committee on Vibration and Sound (TCVS). The issue did not get settled before the TCVS visitor left.

5. **JCND journal report**

Ahmed Shabana (Editor-in-chief) provided a brief report on the Journal of Computational and Nonlinear Dynamics. In 2011, the journal received more than 240 manuscripts. This is more than double the number of submissions from the previous year (121 manuscripts were submitted in 2010), and it is the highest in the journal's short history. To maintain an acceptance rate of 25%, the ASME has increased the page journal allocation from 550 pages/year to 700 pages/year, effective July 1, 2012. The journal was included in the

Journal Citation Reports (JCR) in 2009, and its Impact Factor from 2011 is 0.85, an increase from the previous year's 0.571.

6. **Sub-committee reports**

a. **Publicity and Information Committee (A. Müller)**

Andreas set up Twitter and Facebook presences for our committee. An email to be sent out by Andreas invited people to join these two social media sites.

b. **Awards Committee (H. Dankowicz)**

Harry spoke at length about having advertised in a large number of journals, and the deadline for nominations being this January. He also handed out a call for nominations, which is attached to this doc.

7. **Other business**

Nothing to report

8. **Recognition of new ASME Fellows**

Two committee members, Harry Dankowicz and Corina Sandu, were congratulated for being elected Fellows of the ASME society.

The meeting adjourned at 8:15 PM CST.

Respectfully submitted,



Dan Negrut
MSND-TC Secretary



Call for Nominations for d'Alembert and Lyapunov awards

The Technical Committee on Multibody Systems and Nonlinear Dynamics (TC-MSND) of the ASME Design Engineering Division solicits nominations for the d'Alembert Award and the Lyapunov Award. These awards will be presented at the 9th ASME International Conference on Multibody Systems, Nonlinear Dynamics and Control, as part of the ASME 2013 International Design Engineering Technical Conferences to be held in Portland, Oregon, August 4 – 7, 2013.

The **d'ALEMBERT AWARD**, established in 2005, recognizes lifelong contributions to the field of multibody system dynamics. Previous recipients include Professors Thomas R. Kane, Werner Schiehlen, Edward Haug, and Javier García de Jalón de la Fuente.

The **LYAPUNOV AWARD**, established in 2005, recognizes lifelong contributions to the field of nonlinear dynamics. Previous recipients include Professors Ali H. Nayfeh, Francis C. Moon, Philip Holmes, and Earl H. Dowell.

Selection criteria and nomination materials: These awards recognize lifelong impact of research contributions, education and training of researchers and/or practitioners, and overall leadership in advancing the field. Nominations should include 1) a nomination letter signed or co-signed by a TC-MSND member describing the field of, and the impact of the nominee, 2) a curriculum vitae, and 3) up to five letters of support. All nomination materials must be submitted in electronic (.pdf) format.

Further information: For further information about the Technical Committee on Multibody Systems and Nonlinear Dynamics including a current membership roster, please see

http://divisions.asme.org/DED/MULTIBODY_SYSTEMS_NONLINEAR.cfm

Submission instructions: Submit nomination materials before January 1, 2013 to the Chair of the Awards Committee:

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