

# ASME Design Engineering Division General Committee Meeting Minutes

Sunday March 6<sup>th</sup> 2005, 1:00 -4:00 PM  
UIC campus (ERF Bldg room 1043)  
Chicago, Illinois

**Present:** S. Azarm , W. Clark, L. Bergman, P. Doepker, N. El-Ghobashy, K. Gupta, H. Hamidzadeh, K. Jacobson , K. Kazerounian , M. McCarthy, A. Luo, A Raman, B. Ravani, J. Renaud , L. Saggere, S. Sinha, A. Shabana, HS. Tzou, J. Vance, S. Velinsky

1. Meeting was called to order by S. Sinha at 1:06 pm.
2. Minutes from the Thursday Sep. 30th, 2004 DETC meeting (Salt Lake City) of the Executive Committee were unanimously approved.
3. S.Sinha presented the Report of the Executive Committee ( oral and written) the highlights of his report are:

- The IDETC 2004 in Salt Lake City was a great success and I would like to Congratulate Alan Parkinson (General Chair), Larry Howell and Spencer Magleby for doing an excellent job.
- In IMECE 2004 DED sponsored several sessions and all of them were attended well.
- The Division continues to be in good fiscal state because our conferences run in black and due to the fact that the stock market has taken a positive turn.
- Generally speaking, all technical committees are functioning well.
- I would like to thank Clive Dym for taking the leadership role in the Design Education Committee.
- A proposal is made to develop a new committee on Micro-Nano Systems. TCVS Has already supported this proposal and Mechanism and Robotics Committees has until June 1<sup>st</sup> to discuss it and offer their opinion.
- Harvey Lipkin is the new Chair for the By-Laws Committee for the DED.
- Dinos Mavroidis completed his term as the Chair of the USToMM and Greg Chirikjian of Johns Hopkins has been appointed as the new Chair for five years.
- The National Design Conference at the National Manufacturing Week Show (NMW) in 2004 did generate some revenue and a report is attached. John Renaud and Noha have done an excellent job of putting together five sessions for the 2005 NMW. I would also like to thank Richard Hirsch for serving as the Chair of the Fellow nomination committee.
- Four ASME journals, viz., *Journal of Mechanical Design*, *Journal of Vibration and Acoustics*, *Journal of Computational and Nonlinear Dynamics* and *Transactions on Mechatronics* (jointly with IEEE) are affiliated with the Design Engineering Division.
- The DED is now also a co-sponsor of the *Journal of Computing and Information Science in Engineering*. Mike McCarthy (Editor, JMD), Jami Shah (Editor, JCISE) and Ren C. Luo (Editor-in-Chief, Trans. Mechatronics) deserve appreciation from all of us in keeping the journals running smoothly. Larry Bergman completed his five year term as the Editor of JVA and I would like to take this opportunity to express my sincere thanks for his unparallel service. The DED is fortunate to recruit Kon-Well Wang of Penn State University who started his five year term as the new Editor for the *Journal of Vibration and Acoustics*. The new ASME *Journal of Computational and Nonlinear Dynamics* is operational and the first issue will be on display at the 2005 IDETC in Long Beach, California. Subhash Sinha will serve as the founding Editor for the Journal for five years.

- We are very thankful to Joe Davidson, the Honors and Awards Committee Chair, for running the honors and awards affair and making all the arrangements for the award presentations at the IDETC 2004.
- Keeping in mind the changes that are occurring at ASME, the DED has developed a strategic plan complete with new 'vision' and 'mission' statements. I thank Bahram Ravani for doing an outstanding job in putting this together.
- I am pleased to inform you that Daniel Segalman (one of our past DED Chairs) is the new VP of the Systems and Design Group.
- The proposal by Clive Dym on Triodyne Safety Award's status change from Division Award to Society Award is now approved.
- Two MSND awards D'Alembert and Lyapunov are upgraded from committee award to division award. was unanimously approved. DED allocates \$1000 for each of these awards
- Krish Gupta is the incoming Chair of the DED starting this June. Congratulations Krish; the DED is in good hands!

#### 4. Technical Committee Reports, J. Vance

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|---------------------------------|--------------------------------|
| (a) Design Automation Committee | Kenji Shimada (written report) |
| (b) Design Education            | Clive Dym (written report)     |

A written report was submitted by Clive Dym (Chair, DEC). P. Doepker was present. He reported that the DED International Activities committee is now a formal subcommittee of the DEC with its chair (himself) as the Associate Vice Chair of the DEC.

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|---------------------------------------------|-----------------------------------------|
| (c) Design for Manufacturing Committee      | Dave Kazmer (written report)            |
| (d) Design Theory and Methodology           | No Written or oral report               |
| (e) Fastening and Joining                   | P. Raju Mantena (written report)        |
| (f) Mechanisms and Robotics                 | Larry Howell (written report)           |
| (g) Multibody System and Nonlinear Dynamics | Ahmed Shabana (written and oral report) |

A. Shabana went through his written report. Shabana is the new incoming member of the DED executive committee, starting July 1<sup>st</sup>, 2006.

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|----------------------------------------------------------|-----------------------------------------|
| (h) Power Transmission and Gearing                       | David Lewicki (written report)          |
| (i) Reliability, Stress Analysis, and Failure Prevention | Erol Sancaktar (written report)         |
| (j) Vehicle Design                                       | Moustafa El-Gindy (written report)      |
| (k) Vibration and Sound                                  | William Clark (written and oral report) |

W. Clark went through his written report. He also added that in their committee meeting in the morning they enthusiastically supported the formation of the new committee on Micro/ Nano systems and submitted a letter to that effect to the DED Exec Committee Chair. He mentioned that there are some concerns within his committee on the term "Non Linear Dynamics" in the name of the newly formed committee MSND. He also added that TCVS is transferring \$2400 to MSND committee.

#### 5. Liaison Reports

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|----------------------------------|---------------------------------------|
| (a) Journal of Mechanical Design | M. McCarthy (written and oral report) |
|----------------------------------|---------------------------------------|
- Mike McCarthy reported on the status of the papers submitted in the recent months. Journal acceptance rate is about 34%. Backlog is about 12 months. Move to 6 issues allowed an increase in journal price. The review process is effective. Associate Editors

work load is about 10 active papers. The impact factor is about .35 . A special issue on Nano and Micro systems is coming out in July.

- (b) Journal of Vibration and Acoustics (written report by K.W. Wang)

Larry Bergman the outgoing editor attended the meeting and briefly went through parts of the written report. He reported he completed his 5 years as the editor in Dec. 04. The journal remains among the more profitable ASME journals. For the past 5 years the journal have used all of its 600 page allotment. The journal will move to bimonthly publication in 2005. All in attendance gave a round of applause to L. Bergman for his excellent editorial work.

- (c) ASME/IEEE Journal of Mechatronics D. Mavroidis (written report only)

- (d) Journal of Computational and Non Linear Dynamics S. Sinha (written and oral report)  
S. Sinha went through his written report. In addition he added that the journal's allotment is 400 per year (100 per quarter).

- (e) Cooperating Journal:

Journal of Computing and Information Science in Engineering

J. Shah (written report only)

6. Vice Chair/Treasurer's report KC . Gupta (written and oral report)  
K. Gupta went through his written report to the committee. As the Treasurer, he mentioned that the investment yields have been very good (%14.65) . K. Gupta mentioned that Art Erdman has requested that DED Co-sponsor the 2005 Medical Devices conference. The Exec. Committee was unanimously supportive of the idea.

There are still unresolved issues with respect to the Xerox check. However with the \$3000 given to DTM, we should put this issue behind us.

S. Velinsky noted that the distribution formula that the DED's income was calculated has been corrected and the DED will receive more income as a result.

7. IDETC Technical Conferences S. Azarm

S. Azarm gave a brief report on the state of the IDETC conference per written reports submitted (as included in the Executive Meeting Minutes). He also mentioned that A preliminary proposal is submitted by Kurt Anderson (from RPI) to host the 2009 conference in San Diego. The preliminary proposal was approved by the executive and the committee asked the proposer to proceed with the full proposal.

8. NDEC J. Renaud (written and oral report)

J. Renaud went through his written report. There was some discussion on the income generated from NDEC. B.R. made a motion to allocate \$4500 from the income DED gets from NDEC

There was also some discussion "should NDEC rep. Be on the DED Exec Committee?"  
No decision was made.

9. Government Relations N. Anderson (written report only)

10. Honors and Awards J. Davidson (written report only)

S. Sinha cited the excellent and hard work done by J. Davidson.

11. International Activities P. Doepker

Doepker mentioned that this is no longer a standing committee in DED and is now a subcommittee in DEC committee.

12. USCToMM D. Mavroidis (written report only)

Mavroidis has finished his term and Greg Chericigian is now the DED representative in IFToMM.

13. Fellow Nominations R. Hirsch (written report only)

14. Publicity and Newsletter C. Tan (written report only)

15. Member Interest, Member Development (R. Paasch) No report

Concerns were expressed on lack of activity and report from this standing committee. After some discussion, it was decided that this committee should no longer be a standing committee in DED, and the responsibility will be shifted to the DEC committee. This was moved, Second and Unanimously approved.

16. Student Affairs P. Larochelle (written report only)

The committee suggested that we may want to have a reception for the students in IDETC 2005.

17. Information Management S. Gooch (written report only)

K. Gupta mentioned that S. Gooch has been very responsive.

18. K-12 Awareness of Design Engineering K. Jacobson (Written and oral report)

Kathy Jacobson went through her written report on the 2004 program involvements including Engineers Week Girl Scout Workshop and Science Olympiad. J. Vance discussed their program "Toy With Technology" at Iowa State University.

19. The meeting was Adjourned at 3:40

Respectfully

Kazem Kazerounian  
Secretary of the Executive Committee