

**ASME Design Engineering Division General Committee Meeting
Minutes of the meeting on
Tuesday, August 5, 2008, 15:00-18:00 EDT**

Present: Judy Vance, Buddy Clark, Ahmed Shabana, Richard Ulvila, Hamid Hamidzadeh, Kazem Kazerounian, Nhora Cortes-Comever, Vijay Kumar, Tim Simpson, Frank Liou, Panos Papalambros, Phil Doepker, Farhad Tahmasebi, Jeffrey Mountain, Laxman Saggere, Matt Parkinson, Kurt Anderson, Gordon Pennock, Tom Chase, Jeremy Michalek, Georges Fadel, Michael J. Scott, Jami Shah, Kazu Saitou, Chris Rahn, Gul Kremer, and Corina Sandu

1. **Call to order.** K. Kazerounian called the meeting to order at 15:05.
2. **Approval of minutes.**

The minutes of the DED General Committee Meeting held on Wednesday, September 5, 2007, were unanimously approved.

3. **Report of the Executive Committee**

K. Kazerounian presented the Executive Committee Chair's report (oral and written). The Division is in great shape, both operationally and financially, thanks to the excellent leadership of the past chair, J. Vance. He summarized the new committees that have been established in the DED.

New committees

- Standing Committee on Publications. Kazerounian proposed a Publications Committee to oversee DED journals and other publications. The chair of this committee will be a "member at large" of the executive committee with voting power. The term of this position is three years, renewable for a second three-year term. The election and renewal process is similar to the election of regular executive committee members as overseen by the nomination committee and governed by the DED by-laws. Qualifications of the chair of the publication committee include broad experience in journals and publications activities, without having a concomitant role as a DED journal editor or DED Conference Program Chair.
- Standing Committee on Awards and Honors. The DED has had a standing committee on Honors and Awards. Kazerounian proposed to make the chair of the Honors and Awards Committee a "member at large" of the executive committee with voting power. The term of this position is three years, renewable for a second three-year term. The election and renewal process is similar to the election of regular executive committee members as overseen by the nomination committee and governed by the DED by-laws.
- Special Committee on Broadening Participation. Kazerounian proposed a Committee on Broadening Participation to develop, implement and oversee new and existing activities aimed at broadening the participation of women and underrepresented minorities.

New committee chairs

- Linda Schmidt will chair the Standing Committee on Constitution and By-laws.

- Irene Tumer will take over as the chair of the Special Committee on Government Relations.

4. Vice Chair/Treasurer's Report

A. Shabana presented the Vice Chair/Treasurer's Report (oral and written).

- The division finances are in good shape. The distribution from the 2007 IDETC conference resulted in revenues of nearly \$200,000 for the division. IDETC is now the most successful and profitable conference for DED, surpassing IMECE by over \$80,000 in revenues.
- There is still some difficulty in getting information on balances in different accounts in a timely fashion. The new online system will allow the Treasurer and TC Chairs to review these balances and this will make it easier for the division and the TCs to plan their activities.
- The Executive Committee will make available additional matching funds for TC awards. A maximum of \$5000 of matching funds per award with a maximum of two new or existing awards will be made available to each committee.

5. Technical Committee and IMECE Reports

IMECE Report (W. Clark)

The 2007 IMECE conference reported revenues of \$118,462.60 with attendance of 3,184. The 2008 IMECE congress will be held in Boston, November 2-6, 2008.

Technical committee reports

a) Design Automation (T. Simpson)

Simpson presented a written and oral report. The conference featured 126 paper presentations and an exciting plenary talk.

b) Design Education (G. Kremer)

Kremer presented a written and oral report. There were 25 DEC papers (and not 23 as stated in the written report). The Young Designers Competition was funded this year with the support from DED (\$3600). Kazerounian asked if the competition would be able to sustain itself. The DEC is looking for corporate sponsors and naming opportunities.

c) Design for Manufacturing and the Life Cycle (E. Morse)

Morse presented a written and oral report. This year's conference features 33 papers. K. Saitou is Vice Chair and P. Sandborn is Secretary.

d) Design Theory and Methodology (M. Scott)

Scott presented a written and oral report. 47 DTM papers with an acceptance rate of 48.4% were presented. A special 20th anniversary gala dinner was arranged by DTM in lieu of the luncheon. Scott thanked DED and ASME for facilitating the registration and budgeting for the dinner.

e) Fastening and Joining (E. Iarve)

No oral report was presented.

f) Mechanisms and Robotics (G. Pennock)

Pennock presented written and oral reports. 163 MR papers were presented in 9 symposia. The DED Mechanisms and Robotics Committee Award was presented to Dr. Clement Gosselin. The committee has developed new by-laws to reflect the new Journal of Mechanisms and Robotics.

g) Micro and Nano Systems (L. Saggere)

Saggere presented written and oral reports. This is the second conference on micro and nano systems. The conference attracted new members attending IDETC for the first time. The conference features 58 papers reflecting a significant growth from the first conference.

h) Multibody Systems and Nonlinear Dynamics (K. Anderson)

Anderson presented written and oral reports. MSNDC members, Anderson and Flowers, will organize the 2009 IDETC conference.

i) Power Transmission and Gearing (A. Kahraman)

No oral report was presented.

j) Reliability, Stress Analysis, and Failure Prevention (T. Sawa)

No oral or written report was presented.

k) Vehicle Design (B. Gilmore and C. Sandu)

Sandu presented the oral and written reports. The VDC organized the 10th International Conference on Advanced Vehicle and Tire Technologies. The committee has 40 members approximately half of which are active. GM and Chrysler sponsor best paper awards.

l) Vibration and Sound (C. Rahn)

Rahn presented the oral and written reports. The TCVS wants to make the Den Hartog award a division level award. The balance in this account is over \$45,000. They have endorsed a proposal by TCVS member, N. Jalili, to host the 2011 conference. They are considering participating in even years. Currently TCVS conference organization activities are limited to odd years.

6. Liaison Reports

a) Journal of Mechanical Design (P. Papalambros)

Papalambros presented oral and written reports. Significant events of the past year include the transition from J. M. McCarthy to P. Pabalambros as Technical Editor of Journal of Mechanical Design (JMD) and the approval of the new Journal of Mechanisms and Robotics (JMR). The impact of the new journal on submissions to JMD has been minimal. JMD needs associate editors for fastening and joining, and for design education. JMD now has a new category of papers called *Design Innovation*.

b) Journal of Vibrations and Acoustics (K-W. Wang)

C. Rahn presented the oral and written reports on behalf of Wang.

c) Journal of Computing and Information Science (J. Shah)

Shah presented oral and written reports. JCISE has an advisory board which includes two representatives from DED and from CIE. The two DED representatives, A. Parkinson (now Dean of Engineering at BYU) and B. Ravani (now Chair of ASME Publications Committee), may be overcommitted. Shah suggested that DED consider replacements to serve on the JCISE advisory board. JCISE receives approximately 150 submissions and approximately 50 are published each year. JCISE is transitioning from *E-Lane* to the ASME Journal Web Tool.

c) Journal of Medical Devices

No oral report was presented.

d) Journal of Mechanical Design

No oral report was presented.

e) Journal of Computational and Nonlinear Dynamics

No oral report was presented.

7. IDETC Reports

H. Hamidzadeh presented written and oral reports.

- *2008 IDETC/CIE*: The conference is a success! There are over 800 registrations of which 260 are students.
- *2009 IDETC/CIE*: K. Anderson and G. Flowers are organizing the conference in San Diego.
- *2010 IDETC/CIE*: P. Larochelle and A. Murray are organizing the conference in Downtown Montreal.
- *2011 IDETC/CIE*: N. Jalili (Clemson) is developing a proposal and will present it to the DED Executive Committee by September.
- *2012 IDETC/CIE*: M. Stanisic and J. Schmiedeler have proposed holding a conference in 2012 in Chicago.

New conference guidelines and evaluation mechanisms are being developed and will be available on the Division website. It is clear that the conference is being too big. The number of parallel tracks is big enough that there are very few potential sites. The conference simply cannot grow bigger in odd years.

8. Standing and Special Committees

a) Constitution and Bylaws (H. Lipkin)

No oral report was presented. Kazerounian announced that Linda Schmidt would be the new chair relieving Harvey Lipkin.

b) National Design Engineering Conference (Z. Mourelatos)

Since the impact of NDEC on DED is minimal, this committee will cease to exist.

c) Honors and Awards (G. Fadel)

Fadel presented written and oral reports. K. Ishii, A. Slocum, K. Waldron and K. Gupta were honored with DED Awards. There were no Da Vinci award winners. The ASME Website has up-to-date information on nominations and guidelines for awards.

d) Nominating Committee (J. Vance)

Vance will be seeking nominations for three DED Executive Committee positions:

- A six-year term for an executive who will start with the position of the Secretary for one year and rotate to other positions;
- A three-year term, renewable for an additional three years, for the position of a Honors and Awards Chair;
- A three-year term, renewable for an additional three years, for the position of a Publications Chair.

No written report was presented.

e) US Council for the Theory of Machines and Mechanisms (H. Lipkin)

No oral report was presented.

f) Government Relations (F. Tahmasebi)

Tahmasebi presented a comprehensive report on activities ranging from global warming to alternative fuels, and their potential connection to DED. This will be his last year. Irene Tumer will replace him.

g) Design Society (W. Seering)

No oral report was presented. There is an attempt to collocate IDETC and the Design Society.

h) Fellow Nominations (R. Hirsch)

Kumar presented the report. There is no real need for this committee since the responsibility for identifying and promoting viable candidates lies with the TCs. Indeed it is very difficult to DED to directly play a role in this process.

i) Publicity and Newsletter (J. Michalek)

Michalek presented written and oral reports. Michalek has established a wiki site for the newsletter. Over 20,000 copies were mailed within the U.S. and nearly 3,000 internationally. There is a substantial cost to this. It is not clear if mailing of physical copies of newsletters is the best mechanism for publicizing DED's activities. It was proposed to try both electronic and paper mailings next year and to try to measure the impact of both.

j) Student Affairs (M. Parkinson)

Parkinson presented written and oral reports. The Student Affairs committee arranged a scavenger hunt with prizes donated from industry. He pointed out that students are currently unable to attend luncheons and participate in social events. Often these offer the best networking opportunities. Kazerounian asked the Student Affairs committee for a proposal that will enable student participation.

k) Information Management (S. Gooch)

No oral report was presented.

l) Journal Relations (W. Clark)

Clark presented written and oral reports. A new Executive position has been established to help monitor and promote DED publications. He reported on the distribution of revenues from DED Journals and noted that a significant fraction of these revenues will be passed on to the TCs. The TCs need to develop plans for spending these revenues.

m) K-12 Awareness of Design Engineering K. Jacobson

No oral report was presented.

n) Professional Engineering Licensure A.V. Karvelis

No activity was reported in the written report. No oral report was presented.

8. **Old business.** No old business was discussed.

9. **New Business.** No new business was discussed.

The meeting was adjourned at 17:50pm.

Respectfully submitted,

Vijay Kumar
Secretary of the Design Engineering Division