

ASME Design Engineering Division

Executive Committee Meeting

Sunday, August 30th, 2009

2:00 – 4:30 pm

Omni San Diego Hotel

Gallery 1

San Diego, California

**Report Submitted for the ASME Design Engineering Division
Executive Committee Meeting**

**Sunday, August 30th, 2009
2:00 pm – 4:30 pm
Omni San Diego Hotel, Gallery 1
San Diego, California**

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ASME Design Engineering Division Executive Committee Meeting Agenda

Sunday, August 30th, 2009, 2:00 pm – 4:30 pm
Omni San Diego Hotel, Gallery 1
San Diego, California

- | | | | |
|-----|---|----------------|---------|
| 1. | Call to Order | A. Shabana | 2:00 pm |
| 2. | Approval of Minutes for April 09 Teleconference | K. Kazerounian | 2:02 pm |
| 3. | Chair's Report | A. Shabana | 2:05 pm |
| 4. | Vice Chair/Treasurer's Report | H. Hamidzadeh | 2:20 pm |
| 5. | Past Chair's Report | K. Kazerounian | 2:35pm |
| 6. | Liaison Reports | | |
| | (a) Systems and Design Group | J. Beaman | 2:50 pm |
| | (b) Headquarters Report | R. Ulvila | 2:55 pm |
| 7. | Executive Committee Reports | | |
| | (a) Technical Conferences (IDETC/CIE & IMECE) | V. Kumar | 3:00 pm |
| | • 2009 IDETC/CIE: K. Anderson and G. Flowers | | |
| | • 2010 IDETC/CIE: P. Larochelle and A. Murray | | |
| | • 2011 IDETC/CIE: N. Jalili | | |
| | • 2012 IDETC/CIE: M. Stanisic and J.Schmiedeler | | |
| | (b) Technical Committee Operations | W. Clark | 3:15 pm |
| 8. | Journal Relations and Publications | K. Anderson | 3:30 pm |
| 9. | Honors and Awards | G. Fadel | 3:40 pm |
| 10. | New Business | | 3:50 pm |
| | • Establishing the DED technical groups | A. Shabana | |
| | • Guide and timeline of journal Editor-In-Chief turn over | K. Anderson | |
| | • DED website | V. Kumar | |
| | • Award matching | | |
| | • Status of the standing and special committees | | |
| 11. | Adjourn | | 4:30 pm |

**ASME Design Engineering Division
Executive Committee Teleconference
April 28, 2009, 1100-1400 EST**

Attendees: William Clark, Hamid Hamidzadeh, Kazem Kazerounian, Vijay Kumar, Zissmos Mourelatos, Ahmed Shabana, and Judy Vance

1. Call to order

2. Approval of minutes of Fall (Aug 08) and Winter (Dec 08) meetings

The minutes for both meetings were approved subject to one minor change for the August meeting.

3. Chair's report (Kazerounian)

Kazerounian reported on the main activities since the winter meeting:

- The markets have had a significant adverse effect on the Division's balances. The DED custodial and operational (committee and awards) accounts have dropped by about 30%.
- The 2008 IDETC conference was a very successful both from a technical standpoint and from a financial standpoint. The conference surplus was \$82,985.
- The Barnett-Uzigris awards were approved at the November BOG meeting. They are both society level awards.
- We have three new members in the Design Engineering Division Executive Committee effective July 1, 2009. They are Wei Chen (incoming Secretary), Kurt Anderson (Publications Committee Chair), Georges Fadel (Honors and Awards Committee Chair).
- The division has a new website:

<http://divisions.asme.org/DED/>
- Hamidzadeh represented the Division in the Congress of Divisions, and Shabana and Chen attended the Leadership Training Conference (LTC).
- The Executive Committee has approved new AEs for JVA, JMR, and JMD.

More details are available in the Chair's report (see supporting material).

Action Items:

1. Kazerounian: Work with incoming Publications Chair (Anderson) to assemble a publications committee, and charge the committee with the task of developing guidelines for appointing associate editors to journals.
2. Kazerounian: Urge ASME to complete transition to new content management system and enable the Executive Committee to create and maintain online content.

4. Vice-Chair/Treasurer's report (Shabana)

Shabana reported on the main activities since the winter meeting:

- IDETC-CIE 08 budget: The DED custodial account will receive \$31,096.24, and the DED Technical Committees will receive \$31,096.24.
- Funds provided toward matching approved by DED on December 4, 2008 have been already allocated to the committee accounts.

More details are available with the Treasurer's report (see supporting material).

5. Past Chair's Report (Vance)

The Nominating Committee consisting of Shapour Azarm, J. Michael McCarthy, Chris Rahn and Judy Vance identified candidates for three positions. Krish Gupta collected and tallied the votes. The three new members are Wei Chen (incoming Secretary), Kurt Anderson (Publications Committee Chair), Georges Fadel (Honors and Awards Committee Chair).

6. Technical Committees (Clark)

- TCVS joining even years: TCVS will be participating in IDETC 2010, with an estimated contribution of about 40 papers per year. There was a concern if the number of TCVS papers would be limited by DED. The general consensus was there should be no such limit.
- New committee chairs: The Executive Committee voted unanimously to approve the following new committee chairs.
 - DAC: Kazuhiro Saitou, Univ of Michigan
 - DTM: Li Shu, University of Toronto
 - M&R: Jeffrey Ge, SUNY Stony Brook
 - MNS: Arvind Raman, Purdue University
 - PTG: Avinash Singh, General Motors
 - MSND: Bala Balachandran, University of Maryland

DEC, TCVS reported no changes in committee chairs. There were no updates from F&J, RSAFP, and VDC.

- We received reports from TCVS, DTM, MSND, MNS (copies attached).
- The DED Executive Committee approved the new by-laws for the MNS committee. Clark noted that F&J and DEC do not have by-laws.
- DEC would like to award the author(s) of the best DEC paper \$1,000. For this award, they are seeking \$500 in matching funds. They are also seeking \$3,750 in matching funds for the student paper competition. The matching funds request by DEC was approved, conditional on submission of committee by-laws to the Executive Committee before the IDETC/CIE 09 conference.

- The committee voted to approve the change of name for the DFM technical committee to DFMLC (Design For Manufacturing and Life Cycle)
- The committee voted unanimously to establish the Mechatronic and Embedded Systems and Applications (MESA) Committee.
- The committee voted to provide the MESA Committee a start-up fund of \$2,000 for awards for papers and student competitions, and for the MESA Committee Award.

Action Items:

- Clark will communicate DED's decisions to MESA, MNS, and DFMLC and DED's support of even-year participation to TCVS.

7. Technical Conferences (Hamidzadeh)

- 2008 IDETC/CIE was a successful conference with 654 papers.
- 2009 IDETC/CIE preparations are well under way and everything appears to be on schedule.
- 2010 IDETC/CIE Fairmont, Queen Elizabeth Hotel in Montreal.
- 2011 IDETC/CIE location has not been finalized. The conference chair Jalili is tentatively exploring options in Miami at the end of August.
- 2012 IDETC/CIE is being organized by Stanasic and Schmeideler in Chicago.
- ASME is adopting new guidelines for conference approval and oversight. In particular, ASME wants to have a three-step process for approval of conferences. (a) Approval of the dates and location; (b) Approval of the budget; and (c) Appointment of a Conference Advisor who will oversee and report on the progress of the conference.
- Hamidzadeh suggested we balance the difference between participation in odd and even years while keeping the participation under 1400-1500. If the conferences grow bigger, it becomes difficult to find hotels to host the conference. It may be necessary to split the IDETC/CIE conference into multiple conferences.

8. Standing Committee Reports

- Report from Design Society (see report in supporting material).
- Vance reported as the chair of the Committee on Broadening Participation of Women and Minorities. Funds are being requested from DED to partially support a workshop for women and minorities (see proposal in supporting material). The workshop will provide professional development activities to enhance participants' success as leaders. Specifically funding is needed for refreshments and to support the travel of two facilitators to the workshop. The proposal was unanimously approved.

9. Journal Relations (Clark)

- The editors from JMD, J Vibrations and Acoustics, and J Computational and Nonlinear Dynamics said there is nothing significant to report.

10. New Business

- We need representatives from DED to serve on the committees for the Abbott, Spyra and Barnett-Uzigris awards.

Action Items:

- Kazerounian will work with Georges Fadel to identify suitable candidates.

11.Adjournment (Kazerounian)

The meeting was adjourned at 14:02 pm.

Respectfully submitted,

Vijay Kumar
Secretary of the Design Engineering Division

DED Chair's Report
Ahmed Shabana
August 30, 2009

EXECUTIVE COMMITTEE

The important changes related to the DED Executive Committee are:

1. Effective July 1, 2009, two new voting member positions were added to the DED Executive Committee. The two new members will serve as the chairs of the Publication Committee and the Honors and Awards Committee. The term of the chair of these two committees is three years.
2. Three new members were elected this year; Wei Chen (Secretary), Kurt Anderson (Publications Committee Chair), and Georges Fadel (Honors and Awards Committee Chair). I would like to welcome Wei, Kurt and Georges who have been DED active members. I would like also to thank Judy Vance, the Chair of the Nominating Committee and its members, Shapour Azarm, J. Michael McCarthy, and Chris Rahn for their service.
3. The DED Bylaws have been changed to reflect the new changes in the Executive Committee.
4. Judy Vance ended her tenure as a DED Executive Committee member. During the last year, Judy served as the DED Past Chair. I would like to thank Judy for her excellent service and contributions to the division.
5. Kazem Kazerounian will replace Judy as the Past Chair. I would like to thank Kazem for his excellent service and skilful leadership of the division.
6. Hamid Hamidzadeh will be the Vice Chair/Treasurer. Buddy Clark will continue to serve as the Technical Committee Executive and IMECE Executive for one more year. Vijay Kumar will serve as the IDETC Executive for two years. Wei will serve as the Secretary for one year.
7. DED no longer participates in the National Manufacturing Week (NMW). For this reason, the NDEC (National Design Engineering Conference) position in the DED Executive Committee was eliminated.

DED was one of only two ASME divisions that received an A grade in the 2008 performance evaluation by the Technical Community Operating Board (TCOB).

FINANCES

The DED finances are still in good shape despite the bad economic situation. The 2008 IDETC/CIE conference in New York was very successful with a profit of \$82,985.19. DED custodial account received \$31,096.24, and the DED Technical Committees received \$31,096.24 based on the number of papers.

An award matching program was approved by the DED Executive Committee. The funds were already allocated to the committee accounts. Three new awards were established.

These awards and their account numbers are DAC Young Investigator Award (4-04145061), DTM Best Paper Award (4-04145062), and MNS Innovator Award (4-04145063). More details about the DED finances are presented in Hamid's report.

TECHNICAL COMMITTEES

A new technical committee, Mechatronic and Embedded Systems and Applications (MESA) Committee, was established. The DED EC voted to provide the MESA Committee a start-up fund of \$2,000 for awards for papers and student competitions, and for the MESA Committee Award.

The list of the 13 DED active technical committees is:

- Design Automation
- Design Education
- Design for Manufacturing
- Design Theory and Methodology
- Fastening and Joining
- Mechanisms and Robotics
- Mechatronic and Embedded Systems and Application
- Micro & Nano Systems
- Multibody Systems and Nonlinear Dynamics
- Power Transmission and Gearing
- Reliability, Stress Analysis & Failure Prevention
- Vehicle Design
- Vibration and Sound

TCVS will be participating in IDETC 2010. There was a concern if the number of TCVS papers would be limited by DED. No such a limit will be imposed by DED. The DED Executive Committee approved the new Bylaws of the MNS committee, and approved the change of name of the DFM technical committee to DFMLC (Design For Manufacturing and Life Cycle).

The Executive Committee voted unanimously to approve the following new committee chairs.

- DAC: Kazuhiro Saitou, Univ of Michigan
- DTM: Li Shu, University of Toronto
- M&R: Jeffrey Ge, SUNY Stony Brook
- MNS: Arvind Raman, Purdue University
- PTG: Avinash Singh, General Motors
- MSND: Bala Balachandran, University of Maryland

Several committees do not have Bylaws and do not maintain a website. Having Bylaws and website will be an important factor in the future for DED approval of fund requests (including award matching fund). Action Item: Buddy Clark will identify the committees

which do not have Bylaws or website and send a message to the chairs of these committees.

The approval of a new Award Matching Program will depend on the success of the 2009 IDETC and the market situation.

JOURNALS

The Division continues to support six journals:

- *ASME Journal of Mechanical Design*
- *ASME Journal of Vibration and Acoustics*
- *ASME Journal of Computational and Nonlinear Dynamics*
- *ASME Journal of Mechanisms and Robotics*
- *ASME Journal of Computing and Information Science in Engineering* (co-sponsored with the Computer and Information in Engineering (CIE) Division)
- *ASME Journal of Medical Devices* (co-sponsored with Bioengineering Division)

The issue of appointing the journal technical editors for a second term was revisited. DED in the last few years adopted an unwritten policy of having one term limit in order have more qualified people involved.

STANDING AND SPECIAL COMMITTEES

1. Committee on Broadening Participation of Women and Minorities: Judy Vance requested from DED to partially support a workshop for women and minorities at the 2009 IDETC. The funding is needed for refreshments and to support the travel of two facilitators to the workshop. The proposal was unanimously approved by the DED EC.
2. Journal Relations Committee: The new chair will be Kurt Anderson. The standing committee chair roster needs to be updated.
3. Newsletter: The cost of producing the newsletter last year was \$11506.34 (\$525 for design and produce a digital file for the web; and \$10,981.34 for printing). It was recommended to have only electronic copies of the newsletter in order to reduce the cost.
4. Two new special committees were recommended by Kazem. The first is the Committee on Innovation and Entrepreneurship that will monitor, support, coordinate and facilitate the Division's activities in this area. Kazem asked Prof. Jahangir Rastegar to form this committee and initiate its activities. This appointment will be for a period of three years. The second new special committee is the Committee on Enterprise Study: Kazem will provide a recommendation for qualified person to chair this committee.
5. The terms of the chairs of three Special and Standing Committees expired in June 2009. These committees are K-12 Awareness of Design Engineering (K. Jacobson); Fellow Nominations (R. Hirsch); and Professional Engineering Licensure (A.V. Karvelis).

DED REORGANIZATION

DED has a large number of active technical committees that sponsor a large number of conferences and symposia. It is becoming more difficult for the Technical Committee Executive to manage all these committees and evaluate their performances. For this reason, DED needs to establish a system that will facilitate communications between the Executive Committee and the Technical Committees. The attached proposal was prepared to establish the DED technical groups in order to facilitate such communications between the DED Executive and the DED technical committees.

The next meeting of the DED Executive Committee will be via conference call in March or April, 2010.

Respectfully submitted,

Ahmed A. Shabana
Chair, ASME Design Engineering Division 2009-2010

DRAFT**Proposal for****ESTABLISHING THE DED TECHNICAL GROUPS**

Prepared by Ahmed A. Shabana

1. INTRODUCTION

The Design Engineering Division (DED) is one of the largest ASME divisions. It has a large number of active technical committees that sponsor several journals and conferences. The objective of this proposal is to organize DED into three technical groups, each of which will consist of several technical committees. The formation of the technical groups is necessary in order to allow for managing the division more efficiently. Specifically, establishing the technical groups will

1. facilitate communication between the DED Technical Committees Executive and the DED technical committees,
2. allow better coordination of activities of the technical committees with common interest,
3. provide a more efficient system for the evaluation and documentation of the performance of the technical committee officers, and
4. help ensure a fair representation of the DED communities in the DED Executive Committee.

Each of the proposed DED technical group will have a group leader, preferably one of the past DED chairs who are familiar with the DED Executive Committee composition and plans, and operations.

2. TECHNICAL GROUPS

The proposed DED technical groups are

A. Design Methods Group (DMG)

The DED Design Methods Group (DMG) will consist of the following DED technical committees:

1. Design Automation
2. Design Education
3. Design for Manufacturing
4. Design Theory and Methodology

DMG will sponsor the ASME Journal of Mechanical Design, and will sponsor the following conferences:

- Design Automation Conference (DAC)
- Symposium on International Design and Design Education (DEC)
- International Conference on Design Theory and Methodology (DTM)
- Design for Manufacturing and the Life Cycle Conference (DFMLC)

B. Mechanism, Joints, and Transmission Group (MJTG)

The DED Mechanism, Joints, and Transmission Group (MJTG) will consist of the following DED technical committees:

1. Fastening and Joining
2. Mechanisms and Robotics
3. Micro and Nano Systems
4. Power Transmission and Gearing
5. Mechatronic and Embedded Systems and Application

MJTG will sponsor the ASME Journal of Mechanisms and Robotics and will sponsor the following conferences:

- Mechanisms and Robotics Conference (MECH)
- Power Transmission and Gearing Conference (PTG)
- International Conference on Micro- and Nanosystems (MNS)
- International Conference on Mechatronic and Embedded Systems and Applications (MESA)

C. Dynamics, Vibration and Stress Analysis Group (DVSAG)

The DED Dynamics, Vibration, and Stress Analysis Group (DVSAG) will consist of the following committees:

1. Multibody Systems and Nonlinear Dynamics
2. Reliability, Stress Analysis & Failure Prevention
3. Vehicle Design
4. Vibration and Sound

DVSAG will sponsor the ASME Journal of Vibration and Acoustics and the ASME Journal of Computational and Nonlinear Dynamics. It will also sponsor the following conferences:

- Conference on Mechanical Vibration and Noise (VIB)
- International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC)

- International Conference on Advanced Vehicle and Tire Technologies (AVTT)
- Reliability, Stress Analysis, and Failure Prevention Conference (RSAFP)

3. TECHNICAL GROUP LEADERS

1. The technical group leader will be elected by the DED Executive Committee and will serve for a term of three years.
2. It is preferable that the technical group leader is one of the DED past chairs who are familiar with the DED strategic plans, operations, and the composition of the DED Executive Committee.
3. The technical group leader will be the link between the DED Technical Committee Executive and the DED Technical Committee Chairs.
4. The technical group leader shall prepare an annual report that summarizes the activities of the group technical committees. The report also will provide evaluation of the performance of the technical committee officers.
5. The technical group leaders will serve as members of the DED Nominating Committee which is in charge of the election of the new members of the DED Executive Committee.

Treasurer's report

April 28, 2009

Prepared by
Hamid R. Hamidzadeh
Vice Chair and Treasurer

DED Accounts:

Account #	Account name	Balance July 27, 2009	Balance March 31, 2009	Balance June 30, 2008	Comments
4-0414-XXXX	All Accounts	789,323.40	589,007.50	906,677.99	
4-0414-0000	DED Custodial	329,102.69	233,652.07	428,455.79	

Committee Accounts:

4-0414-5032	DAC	19,904.30	9,405.54	20,689.57	
4-0414-5034	M&R	16,336.53	3,020.06	22,366.28	
4-0414-5035	DFM	18,040.05	12,897.68	19,151.89	
4-0414-5036	DTM	8,301.89	2,703.94	27,128.1	
4-0414-5037	RSAFP	4,482.42	3,683.72	5,445.87	
4-0414-5038	D-EDUC	785.10	2,517.83	6,169.76	
4-0414-5041	Vibration & Sound	16,724.28	8,992.24	26,416.2	
4-0414-5042	PTG	12,161.37	9,994.39	14,775.37	
4-0414-5048	VDGN	3,609.56	1,096.91	1,752.29	
4-0414-5049	F&J	1,511.30	1,242.01	1,836.16	
4-0414-5050	MSND	13,165.55	10,819.64	29,097.96	
4-0414-5060	MNS	8,766.73	3,874.63	3,617.42	
■	MESA				

Award Accounts:

4-0414-5001	DAC COMM AWD	32,531.23	26,734.65	45,990.1	
4-0414-5002	ABBOT AWD	23,975.84	19,703.69	31,338	
4-0414-5003	DAVINCI AWD	15,854.01	13,029.06	19,261.75	
4-0414-5004	DEN. HART. AWD	45,322.65	37,246.84	41,961.94	
4-0414-5005	OUTSTD EDUC AW	7.58	7.59	7.58	CLOSED
4-0414-5006	MECH&ROB AWD	22,046.38	18,118.05	14,054.19	
4-0414-5007	MYKLESTAD AWD	28,522.21	23,439.97	21,550.28	
4-0414-5008	DTM COMM AWD	11,294.83	9,282.26	624.32	
4-0414-5009	N. YANG AWD	44,317.57	36,420.83	54,892.53	
4-0414-5053	D'ALEMBERT AWD	32,101.48	26,381.47	25,898.89	
4-0414-5054	LYAPUNOV AWD	32,075.78	26,360.36	25,867.75	
4-04145010 *	PTG AWD ■	3,000	3,000	7,466.47	
4-04145011 *	M&R best pap AWD ■	14,306.12	14,306.12	9,081.55	
4-04145012 *	MNS AWD ■	3,075.95	3,075.95	1,779.97	
4-04145061	DAC Young Investigator AWD ■	15,000	15,000		
4-04145062	DTM Best Paper AWD ■	10,000	10,000		
4-04145063	MNS Innovator AWD ■	3,000	3,000		

* Established in August 2007

■ Information not available (data from April 2009 Report)

Other Report items:

- 1- **2008 IMECE:** Revenue of about \$10,000.00 from the 2008 IMECE is expected. The exact amount is to be determined and will be allocated to the DED for its technical paper sessions held during this event. A Request will be forward to the ASME to transfer this amount to the DED custodial account.

Previously Reported on April 28, 2009

- 1- **2008 IDETC Conference:** The surplus from the 2008 IDETC conference was \$82,985.19. DED custodial account will receive \$31,096.24, and the DED Technical Committees will receive \$31,096.24 based on the number of papers (shown in attachment I). The funds have not been yet allocated into the accounts. TC chairs were asked to confirm the number of papers of the conferences sponsored by their committees.
- 2- **Award Matching:** Attachment II shows the award matching approved by DED on December 4, 2008. The funds have been already allocated to the committee accounts. TC chairs were asked to verify the amount and confirm the allocation of the fund. Three new awards were established as shown in Attachment II. The three new awards and their account numbers are DAC Young Investigator Award (4-04145061), DTM Best Paper Award (4-04145062), and MNS Innovator Award (4-04145063). The new award accounts still do not show with other DED accounts.
- 3- **Triodyne Safety Award Accounts:** On March 6, 2005, Design Engineering Division approved the elevation of its Triodyne Award to society level. The balance of the accounts of the Triodyne Safety Award (Ralph Barnet-Carl Uzgiris Product Design Safety Award) given for outstanding contributions to teaching or research in the safety aspects of mechanical design, was approximately \$65K (more than the \$40K required for the elevation to a society award) in 2005. There has been communications that involved several people regarding the status of this award. As of May 31, 2008, the Triodyne Corporation Award has the two accounts 6-00301570 (\$59978.00) and 6-00401570 (\$25000.00).
- 4- **Newsletter Cost:** The cost of producing the newsletter last year was \$11506.34 (\$525 for design and produce a digital file for the web; and \$10,981.34 for printing).

5- Unresolved Issues

Issue	Comments	Status/ actions
The account information for the following six awards: PTG, M &R Best Paper, and MNS, DAC Young Investigator, DTM Best Paper, and MNS Innovator are not listed with the other DED accounts.	These awards were established a while ago and accounts were assigned to them.	An E-mail requesting information was sent to Ms. LaShion Pettiford regarding the status of these accounts.

Reported in April 28, 2009		
Issue	Comments	Status/ actions
The accounts of the three awards PTG, M &R Best Paper, and MNS established in August 2007 are not listed with other DED accounts.	These awards were established a while ago and accounts were assigned to them.	An E-mail was sent to Richard Ulvila regarding the status of these accounts.
The three awards established in 2008 (DAC Young Investigator Award, DTM Best Paper Award, and MNS Innovator Award) are not listed with other DED accounts.	These awards were also assigned account numbers	An E-mail was sent to Richard Ulvila regarding the status of these award accounts.
IDETC 2008 revenue allocation to DED accounts.	This revenue has not been distributed yet to the committee and the DED custodial accounts.	On March 23, 2009, Erin Dolan confirmed that the request for the fund allocation was forwarded to the ASME Finance Department.
Revenues of the 2008 IMECE	No information was provided to DED on its revenue share and the allocation of the fund.	Requests were sent to ASME to obtain this information.
Status of the Ralph Barnet-Carl Uzgiris Product Design Safety Award	No new information was received from ASME regarding the status of this award.	See Vice Chair and Treasurer Report, April 28, 2009.

ATTACHMENT I**IDETC 2008 Revenue
Reported April 2009**

2008 Summary				Account #
Total Revenue:	\$344,251.16			
Total Expenses:	\$261,265.97			
Surplus:	\$82,985.19			
Total Number of Papers	647			
	Papers			
Total Revenue		\$82,985.19		
DAC = 119 papers (18%)	119	\$ 7364.10		4-0414-5032
MR = 163 papers (25%)	163	\$ 10,086.94		4-0414-5034
CIE = 168 papers (26%)	168	\$ 10,396.35		
DTM = 47 papers (7%) [adjust by 1.5 factor]	70.5	\$ 4,362.76		4-0414-5036
DFMLC = 33 papers (5%)	33	\$ 2,042.14		4-0414-5035
DEC = 28 papers (4%)	28	\$ 1,732.73		4-0414-5038
MNS= 57 papers (9%)	57	\$3,527.34		4-0414-5060
AVTT= 32 papers (5%)	32	\$1,980.26		4-0414-5048
Total	670.5			
CIE Division	168	\$20,792.71		CIE Div Account
IDETC	502.5	\$ 62,192.48		
Design Custodial Account		\$ 31,096.24		4-0414-0000
Total pushdown to DED committees		\$ 31,096.24		

ATTACHMENT II**DED Requested Fund Transfer
Yet to be Approved**

No.	Committee	From Account	To Account	Amount	Comments
1	D-EDUC	4-0414-0000	4-0414-5038	4,250.00	Information for transfer of the amount was forwarded to the ASME
2	MESA	4-0414-0000	*****	2,000.00	Request was forwarded to Ms. LaShion Pettiford, on 7/31/2009
3	Broadening Participation	4-0414-0000	*****	10,000.00	Allocation of this amount was requested. Further inquire may be needed.

**DED Requested Fund Transfer
Approved on December 4, 2008
Reported April 2009**

No.	Committee	From Account	To Account	Amount	Comments
1	MSND	4-0414-5050 4-0414-0000	4-0414-5054 4-0414-5054	\$5000 \$5000	Total of \$10,000 transferred from the MSND and DED accounts to the Lyapunov Award account.
2	MSND	4-0414-5050 4-0414-0000	4-0414-5053 4-0414-5053	\$5000 \$5000	Total of \$10,000 transferred from the MSND and DED accounts to the D'Alembert Award account.
3	DAC	4-0414-5032 4-0414-0000	Establish a new award account	\$5000 \$5000	Total of \$10,000 transferred from the DAC and DED accounts to the new DAC Young Investigator Award .
4	DTM	4-0414-5036 4-0414-0000	4-0414-5008 4-0414-5008	\$5000 \$5000	Total of \$10,000 transferred from the DTM and DED accounts to the DTM Committee Award.
5	DTM	4-0414-5036 4-0414-0000	Establish a new award account	\$5000 \$5000	Total of \$10,000 transferred from the DTM and DED accounts to the DTM Best Paper Award account.
6	M&R	4-0414-5034 4-0414-0000	4-0414-5006 4-0414-5006	\$5000 \$5000	Total of \$10,000 transferred from the MR and DED accounts to the MR Award.
7	M & R	4-0414-5034 4-0414-0000	4-04145011 4-04145011	\$5000 \$5000	Total of \$10,000 transferred from the MR and DED accounts to the MR Best Paper Award.
8	TCVS	4-0414-5041 4-0414-0000	4-0414-5004 4-0414-5004	\$5000 \$5000	Total of \$10,000 transferred from the TCVS and DED accounts to the TCVS Den Hartog Award.
9	TCVS	4-0414-5041 4-0414-0000	4-0414-5007 4-0414-5007	\$5000 \$5000	Total of \$10,000 transferred from the TCVS and DED accounts to the TCVS Myklestad Award.
10	MNS	4-0414-5060 4-0414-0000	4-04145012 4-04145012	\$1500 \$1500	Total of \$3,000 transferred from the MNS and DED accounts to the MNS Best Paper Award (This award account is not listed on the web).
11	MNS	4-0414-5060 4-0414-0000	Establish a new award account	\$1500 \$1500	Total of \$3,000 transferred from the MNS and DED accounts to the MNS Innovator Award .
12	MNS	4-0414-0000	4-0414-5060	\$5000	DED approved on December 4, 2008 the transfer of this fund to the MNS account.
Total for DED:				\$53,000	

Total for Committees:	\$48,000	
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Greetings from the Past Chair

(Part of these was published in the outgoing chair's message in the DED newsletter)

The highlights of our activities in the past year are:

- * Extending the Executive Committee membership by creating two new positions, each with three year terms renewable for a second term. These new executives will oversee the Division's activities in Honors & Awards and Publications. I welcome Dr. George Fadel and Dr. Kurt Anderson, respectively, to these positions.

- * A new technical committee, "The Mechatronic and Embedded Systems and Applications (MESA) Committee" has been formally established in the Division, bringing the number of technical committees to thirteen. This committee, which had operated as a sub-committee of the Mechanisms and Robotics Committee for the past two years, provides a forum for technical discussions and interactions on topics related to emerging technologies in mechatronics and embedded systems that impact critical research and engineering issues. I congratulate Dr. Harry Cheng, the current chair of this committee, and his colleagues for this major achievement.

- * Development of the Special Committee on Broadening Participation. The goal of the Broadening Participation committee is to develop, implement, and oversee new and existing activities aimed at broadening the participation of women and underrepresented minorities in the activities of the Design Engineering Division of the ASME. Dr. Judy Vance spearheaded the formation of this committee, and currently Dr. Janis Terpenney chairs it. Look forward to their activities in IDETC-CIE 2009 in San Diego.

- * Development of the Special Committee on "Innovation and Entrepreneurship" to start, monitor, support, coordinate and facilitate the Division's activities in this area. Dr. Jahangir Rastegar, a successful entrepreneur and innovator, has agreed to form and lead this committee for the next three years.

- * Development of the Special Committee on "Enterprise Study and Strategic Initiatives". This committee consists of individuals experienced in organizational management and strategies who will study the practices of our Division as well as other Divisions and Societies in order to provide advice and counsel to the Executive Committee. Dr. Souran Manoocheri will be the Chair of this committee for a three year term.

- * In 2008-2009 we were again able to match the various award contributions made by the technical committees in amounts up to \$5000.

- * We have supported an initiative by the 2009 IDETC-CIE general conference chairs to develop activities targeting student participation and experience in the conference.

- * The Division has also provided support for a workshop just prior to the 2009 IDETC-CIE in San Diego organized by the Broadening Participation Committee on "Effective Negotiations." This workshop will accommodate approximately 50 attendees. The purpose of this workshop is to provide professional development activities to enhance participants' success as leaders. The networking activities have the potential to form the core of an affinity group of future efforts in broadening participation.

Finances

The markets have had a significant adverse effect on the Division's balances. The DED custodial and operational (committee and awards) accounts have dropped by about 30% (details included in treasurer's report). Our total accounts balances went down from \$906K to \$600K while the custodial went down from \$428K to \$233K. While the Division continues to be in very good financial health, we must exercise caution in taking new initiatives without impeding the community's growth. In 2008 The International Design Engineering Technical Conferences and Computers and Information in Engineering Conference (IDETC-CIE) held in New York was very successful. The effort involved in conducting a successful conference of this magnitude is truly amazing. Many thanks to the 2008 IDETC-CIE general conference chairs Dr. Souran Manoocheri and Dr. Jahangir Rastegar for a job well done.

The Division sponsors six technical journals. These journals, technically and financially, are in excellent shape. I sincerely thank all of the editors and associate editors of our journals for their efforts.

There are some new appointees to the DED leadership team. Dr. Irem Tumer now heads the Government Relations Committee. Dr. Linda Schmidt is now the chair of the Constitution and Bylaws Committee in the Division.

I want to specially acknowledge and thank Dr. Judy Vance, the prior past DED chair, for her guidance and support and her valuable service to the Division.

Over the past year I have had the privilege of working with and benefiting from the wisdom of a very strong executive committee: Dr. Ahmed Shabana, Dr. Hamid Hamidzadeh, Dr. William W. (Buddy) Clark, Dr. Zissimos Mourelatos, and Dr. Vijay Kumar. I welcome Dr. Kurt Anderson, Dr. Wei Chen, and Dr. George Fadel as the new members of the DED Executive Committee.

I also want to thank the ASME staff and in particular three capable individuals, Ms. LaShion Pettiford, Ms. Erin Dolan, and Mr. Richard Ulvila, for all of the support they provide the Division.

I congratulate Dr. Ahmed Shabana, the incoming chair of DED. We can rest assured that under his capable leadership the Division will prosper and grow.

Finally, I want to thank all the Division members. Because of your selfless participation in our technical committees, our general and executive Committees, our standing and special subcommittees, our journals, our awards, our conferences, our publications and newsletters, and our services, this community is alive and thriving.

*Kazem Kazeronian
Immediate Past DED Chair*

DED Chair's Report April 27th, 2009

Finances

The markets have had a significant adverse effect on the Division's balances. The DED custodial and operational (committee and awards) accounts have dropped by about 30% (details included in treasurer's report). Our total accounts balances went down from \$906K to \$600K while the custodial went down from \$428K to \$233K. While the Division continues to be in very good financial health, we must exercise caution in taking new initiatives without impeding the community's growth.

Conference Revenue (IDET-CIE 2008)

The 2008 conference was a very successful one. In addition to a very successful technical conference, the conference surplus was \$82,985 VS. an expected \$48K.

Barnett-Uzigris Award

The previously known as Triodyne Award was divided into two awards:

- 1) ASME-Barnett-Uzigris Product Safety Design Award. At the November 1 BOG Meeting, the Board did approve the Committee on Honors request to make ASME Barnett-Uzigris a Society Level Award.
- 2) ASME Barnett-Uzigris Product Safety Scholarship (to be awarded with emphasis on PhD students from underrepresented groups, presenting in IDETC).

Personnel Changes

New members:

- DED Secretary: Wei Chen (Full term)
- DED Publications Committee Chair: Kurt Anderson (3 year starting July 1st, 2009)
- DED Honors and Awards Committee Chair: Georges Fadel (3 year starting July 1st, 2009)

Special Committees:

- New special Committee on “Broadening participation” was formed. Judy Vance initially chaired and formed the committee. Currently Janis Terpenny is chairing it. They are planning some activities for 2009 IDETC-CIE in San Diego.
- New special Committee on “ Innovation and Entrepreneurship ” to start, monitor, support, coordinate and facilitate the Division ’ s activities in this area. I have asked Prof. Jahangir Rastegar to form this committee and initiate its activities immediately. This appointment will be for a period of three years.
- New special Committee on Enterprise Study: I am still looking for qualified person to chair this committee.

Terms expiring in June 2009:

- K-12 Awareness of Design Engineering (K. Jacobson)
- Fellow Nominations (R. Hirsch)
- Professional Engineering Licensure (A.V. Karvelis)

DED Web Page

The design of the new division site is already in place:

<http://divisions.asme.org/DED/>

All pages are template and cannot be changed, but can grow as needed. The site as a whole allows for individual division representation with an overall common navigation. However, our Information Management Committee Chair (Shayne Gooch) still does not have access.

LLTC and DOC meetings

- Hamidzadeh represented the Division in the Congress of Divisions (COD), in March 2009 in Los Angeles.
- Shabana and Chen attended the Leadership Training Conference (LTC), in March 2009 in Los Angeles.

AE Nominations Approved:**JVA:**

- Jeff Viperman (2nd term)
- CK Sung (2nd term)
- Jiong Tang
- Brian Feeny (2nd term)

JMR:

- Feng Gao

JMD:

- Thomas Chase
- Mary Frecker
- Yan Jin

- Pierre Larochelle
- James Schmidler
- Kown-Lon-Ting
- Phillippe Vex

Liaison Reports

DED ASME Headquarters Report

From Richard M. Ulvila

August 10, 2009

Membership:

DED has 11,139 Primary Members and 8,089 Secondary Members. DED is the largest ASME Division, over 10% large than the closest rival.

DED has 982 new members, 9972 renewed members, and have 182 members that have not renewed.

Legal:

It has become clear that ASME would be well served by bringing an attorney on staff who can help us review our current legal portfolio and help us determine how to best manage our legal issues and expenses.

John Delli Venneri has joined ASME on July 1, 2009, as Managing Director, Legal. John reports directly to Tom Loughlin. Among other things, he will review MOUs and agreements related to ASME Events.

Financial:

Custodial Balance Beginning July 1, 2009:	(372,039.32)
Custodial Balance Ending June 30, 2009:	(428,455.79)
Custodial Balance Gain:	(56,416.47)

Technical Conferences Reports

(V. Kumar)

IDETC REPORT
DED Executive Committee Meeting
San Diego, CA
September 1, 2009

STATUS OF IDETC CONFERENCES

Attached, please find the progress reports for the 2009, 2010, 2011 and 2012 IDETC/CIEs respectively. All conferences appear to be on track with their planning and their required processes.

- 2010 IDETC/CIE, Montreal, August 15-18, 2010
Pierre Larochelle, Conference Chair
Andrew Murray, Program Chair
- 2011 IDETC/CIE, Washington DC, August 28-31, 2011
Nader Jalili, Conference Chair
Olivier Bauchau and Bogdan Epureanu, Program Chairs
- 2012 IDETC/CIE, Chicago, Dates TBD
Michael Stanišić and James P. Schmiedeler, Conference Chairs
Program Chairs TBD

A special session on “Future IDETC/CIE Conference Leadership Training” is being organized by Hamid Hamidzadeh. IDETC executive member and conference chairs for the 2009 and 2010 IDETC will be present to help lead the discussion

FUTURE CONFERENCES

1. The IDETC is becoming too big in terms of number of tracks. There are too many sessions and conferences in parallel. This detracts from the quality of the conference and makes it impractical to find venues. The DTM conference is single track but all other conferences are multi-track. Conference chairs should be encouraged to minimize the number of tracks. Strong consideration should be given to reducing the duration of paper presentations to 15 or 20 minutes.
2. There is too much pressure on conference organizers to ensure the conference is profitable. It should be made clear that the quality of the conference and the conference experience gets the highest priority.
3. A new document on “ASME Conference Guideline” listing the step-by-step process and the required document and forms has been developed.
4. Future IDETC Chairs are expected to complete the CAI form before making hotel contract. The CAI form must be completed at least two years prior to the commencing date of the conference.

Respectfully Submitted

Vijay Kumar
Incoming IDETC Executive Member

Hamid R. Hamidzadeh
Outgoing IDETC Executive Member

IDETC 2009 Status Report August 28, 2009

All details of the conference program have been finalized and the program placed on the conference website. We are on schedule with the registrations and meeting our projected target for budgeting purpose.

1. Organization Committee:

The conference organization committee consists of:

General Co-Chair	General Co-Chair	Program Co-Chair	Program Co-Chair
Kurt Anderson Rensselaer Polytechnic Institute Troy, NY 12180-3590 Tel: (518) 276-2339 E-mail: anderk5@rpi.edu	George Flowers Auburn University, AL 36849 Tel: (334) 844-3330 E-Mail: flowegt@auburn.edu	Harry Dankowicz University of Illinois at Urbana-Champaign Urbana, IL 61801 Tel: (217) 244-1231 E-Mail: danko@uiuc.edu	Dane Quinn, University of Akron Akron, OH 44325-3903 Tel: (330) 972-6302 E-Mail: quinn@uakron.edu

2. Conference City:

The 2009 ASME International Design Engineering Technical Conferences (IDETC) is taking place August 30 - September 2, 2009, at the San Diego Convention Center in conjunction with the Omni San Diego Hotel. The San Diego Convention Center is located downtown along majestic San Diego Bay with the vibrant Gaslamp District and the San Diego Padres' PETCO Park at its doorstep.

3. Participating Conferences

IDETC 2009 has received 1557 abstracts associated with the thirteen conferences. The total number of draft papers received was 1,403, of which 1,198 were accepted and made the final technical program. There are 7 specific conference keynote lectures and 3 award lectures, as well as 3 tutorials and 5 workshops sponsored by various technical committees and conferences, Details of the Workshops/Tutorials are provided on the conference website.

The approximate paper count is:

- 22nd Biennial Conference on Mechanical Vibration and Noise (VIB) [174 papers assigned to sessions]
- 29th Computers and Information in Engineering Conference (CIE) [174 papers assigned to sessions]
- 2009 ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA09) [83 papers assigned to sessions]
- 7th International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC) [234 papers assigned to sessions]
- 35th Design Automation Conference (DAC) [122 papers assigned to sessions]
- ASME Power Transmission and Gearing Conference (PTG) [35 papers assigned to sessions]
- 20th Reliability, Stress Analysis, and Failure Prevention Conference (RSAFP) [27 papers assigned to sessions]
- 33rd Mechanisms and Robotics Conference (MECH) [137 papers assigned to sessions]

- 3rd International Conference on Micro- and Nanosystems (MNS) [65 papers assigned to sessions]
- 6th Symposium on International Design and Design Education (DEC) [34 papers assigned to sessions]
- 21st International Conference on Design Theory and Methodology (DTM) [51 papers assigned to sessions]
- 14th Design for Manufacturing and the Life Cycle Conference (DFMLC) [35 papers submitted]
- 11th International Conference on Advanced Vehicle and Tire Technologies (AVTT) [29 papers assigned to sessions]

3. . Reception Fixed – Evening at Petco Part with the Padres

The IDETC/CIE 2009 reception is “A Night At the Ball Game.” It will consist of a barbeque (vegetarian options will be available) and a San Diego Padres baseball game (souvenir hats will be distributed), Monday evening August 31, 2009. Petco Park is immediately adjacent to the conference hotel (with a connecting “sky bridge”), so transportation shall not be an issue.

4. Enhancement of student participant experience

Matthew Parkinson of PSU has joined the conference organization effort and is aiding us in our effort to enhance the student experience. Current activities include Student mixer/reception; Student scavenger hunt; Promotion of student involvement and attendance at awards luncheons (this includes subsidizing a block of student luncheon tickets as funds allow).

5. Copyright Transfer Issue

There has been considerable concern and effort regarding the many papers which had difficulty with the copyright transfer form F1903. This process needs to be evaluated and streamlined.

6. Integrity Issues

Overall the number of paper submissions to the conferences has been very good. However, enforcement of paper quality has been far from uniform. Much more troubling is that there was a direct and deliberate attempt by certain individuals from a particular overseas institution to cheat the system. This involved the submission (this involved ~30 submissions) of multiple versions of effectively the same papers (but with different title, author name spelling, e-mail, and paper number) to the different conferences (apparently with the hope that the like paper in the different conference would not be recognized). This was fortunately caught, and the appropriate individuals associated with ASME publishing have been informed so they are aware these authors and this institute. However, the ASME should consider developing tools to aid in identifying this type of fraud in the future so that it may be better guarded against.

6. Outstanding Issues

There are no other outstanding issues that need to be reported.

Report Prepared by:
George T. Flowers and Kurt Anderson

ASME INTERNATIONAL

2010 DETC & CIE CONFERENCES

STATUS REPORT TO THE
DESIGN ENGINEERING DIVISION

Pierre Larochelle, Conference Chair

Andrew Murray, Program Chair

TUESDAY, JULY 21, 2009

2010 ASME DETC & CIE Conferences

STATUS REPORT

SUMMARY

The host city and hotel have been selected for the 2010 ASME International DETC & CIE Conferences. The conference will take place in Montréal, Quebec (Canada) August 15th – 18th of 2010. ASME staff has finalized contract negotiations with the conference hotel. The conference will take place in the [Fairmont Queen Elizabeth Hotel](#) in downtown Montreal. The Queen Elizabeth is the premier business hotel in downtown Montreal- see photos below. The conference is the flagship international meeting for design engineering and includes the following conferences:

36th Design Automation Conference (DAC)

34th Annual Mechanisms and Robotics Conference (MR)

30th Computers and Information in Engineering Conference (CIE)

22nd International Conference on Design Theory and Methodology (DTM)

15th Design for Manufacturing and the Lifecycle Conference (DFMLC)

7th Symposium on International Design and Design Education (DEC)

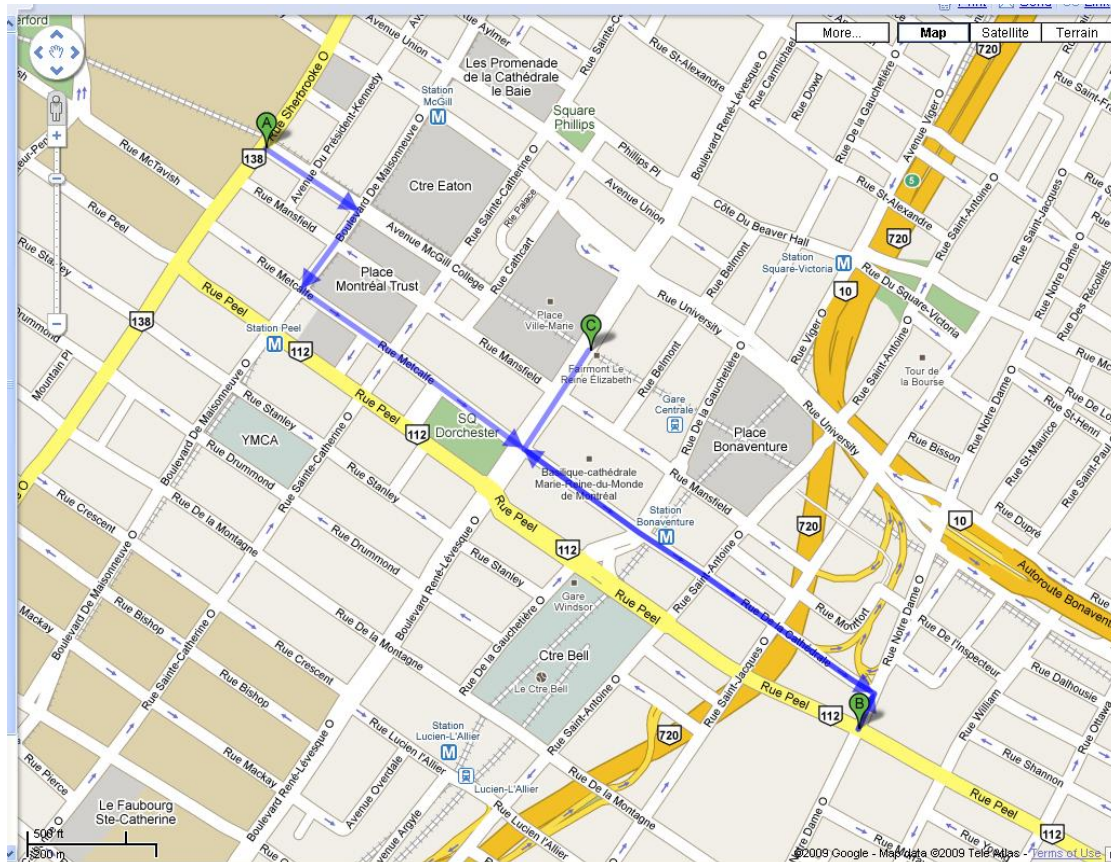
Special Conference on Mechanical Vibration and Noise(VIB)

CONFERENCE RECEPTIONS

Efforts are underway with the local arrangements Co-Chairs to plan a Sunday evening welcome reception at McGill University as well as the formal Conference Reception Monday evening at the Queen Elizabeth Hotel.

LAB TOURS

Efforts are underway to plan and coordinate, with the local arrangements co-chairs, Sunday afternoon lab tours at both École de Technologie Supérieure and McGill University. Both of these campuses are within a short walk of the Queen Elizabeth Hotel (~ 10 minutes). This is the 25th anniversary year for the Center for Intelligent Machines (CIM) at McGill. The Center is exploring avenues for integrating its anniversary celebration with the Sunday laboratory tours and reception. See the map below in which **A** indicates McGill University, **B** indicates the École de Technologie Supérieure, and **C** the Conference Hotel.



FINANCIALS

Both the City of Montreal and the hotel have expressed sincere desires to host our conference. The City's Office of Tourism & Conventions has committed to provide **incentive funding of \$10.00 per person** (up to \$10k). In addition the hotel has committed to match the 2008 conference's hotel room rate of **\$189/night**. Moreover, the hotel has committed to provide **free wi-fi** internet service to all registered attendees throughout all of the conference meeting rooms.

SCHEDULING

The Conference will take place on Sunday thru Wednesday the 15th thru 18th of August 2010. The traditional DETC schedule will be adhered to. Sunday's activities will include workshops, tutorials, a few technical meetings and sessions, and an informal reception in the evening. Monday's activities will include technical sessions and the evening will consist of the main conference reception. Tuesday's and Wednesday's activities will follow the traditional schedule of technical sessions, committee meetings, and the like.

ORGANIZING COMMITTEE

A team of motivated and qualified individuals have been recruited and have agreed to serve on the organizing committee for the conference.

GENERAL CONFERENCE CHAIR

Pierre Larochelle

TECHNICAL PROGRAM CHAIR

Andrew Murray

TECHNICAL PROGRAM EDITOR

Curtis Collins

INTERNATIONAL PARTICIPATION CO-CHAIRS

Anurag Purwar

Chintien Huang

WORKSHOP & TUTORIAL CO-CHAIRS

Steve Canfield

Peng Song

LOCAL ARRANGEMENTS CO-CHAIRS

Jorge Angeles

Jozsef Kovecses

INDUSTRY RELATIONS CHAIR

Haijun Su

STUDENT RELATIONS CHAIR

Matt Parkinson



Figure 1 An Outdoor View of the Conference Hotel



Figure 2 A Bird's Eye View of the Conference Hotel



Figure 3 The Hotel is Centrally Located



Figure 4 The Metro is very Convenient & Safe



Figure 5 The Hotel Lobby



Figure 6 The Hotel Banquet Room

Progress Report on

**2011 ASME International Design Engineering Technical Conferences
and Computers in Engineering Conference (2011 IDETC/CIE)**

Submitted to:
ASME DESIGN ENGINEERING DIVISION
(During 2009 IDETC/CIE)
August 30, 2009

This progress report is respectfully submitted to ASME Design Engineering Division for the 2011 ASME International Design Engineering Technical Conferences and Computers in Engineering Conference (2011 IDETC/CIE). Following is a brief summary of the progress made to date.

Official Dates:

- August 28 – 31, 2011 (Sunday – Wednesday)
 - August 28 (Sunday), Tutorials and Workshops
 - August 29 – 31 (Monday – Wednesday), Technical Meetings and Exhibits

Conference Venue:

- Hyatt Regency Washington on Capitol Hill
 - Address: 400 New Jersey Ave. NW, Washington, DC 20001
 - Website: www.WashingtonRegency.Hyatt.com
 - Sleeping Room Rate: \$169/night
 - Complimentary Internet Access in Sleeping Rooms
 - Complimentary Health Club Privileges

Conference General Chair:

- Dr. Nader Jalili, Clemson University, Email: Jalili@clemson.edu

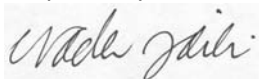
Conference Technical Program Co-Chairs:

- Dr. Olivier Bauchau, Georgia Institute of Technology, Email: Olivier.bauchau@aerospace.gatech.edu
- Dr. Bogdan Epureanu, University of Michigan, Email: Epureanu@umich.edu

Advisory Committee:

- Prof. George Flowers – 2009 General Conference Co-Chair in San Diego
- Prof. H.S. Tzou – 2007 General Conference Chair in Las Vegas
- Prof. Hamid Hamidzadeh – 2005 General Conference Chair in Long Beach
- Prof. Ahmed Shabana – 2003 General Conference Chair in Chicago
- Prof. Subhash Sinha – 1999 General Conference Chair

Respectfully submitted,



Dr. Nader Jalili, Clemson University
Phone: (864) 656-5642, Email: jalili@clemson.edu

A Proposal
to Host the 2012 ASME IDETC
in Chicago, Illinois

Michael M. Stanišić and James P. Schmiedeler
The University of Notre Dame

updated
July 31, 2009

Summary

The purpose of this document is to propose hosting the 2012 IDETC in the city Chicago, Illinois.



Figure 1: The Chicago Skyline

The proposing organizers are Michael M. Stanišić and James P. Schmiedeler, faculty in the Aerospace and Mechanical Engineering Dept. at the University of Notre Dame. The proposal is supported by the organizers Department, College and University.

Chicago

Chicago is the third largest and the third most densely populated city in the U.S. with over 2.8 million people. The metropolitan area is the 26th largest in the world, containing 9.5 million people stretching over the states of Illinois, Indiana, and Wisconsin. Chicago is located on the southwestern shores of Lake Michigan, with miles of beaches and waterfront public parks. The lakefront is nearly all recreational area. The Chicago River runs through the heart of downtown and empties into Lake Michigan. The city of Chicago offers the following to participants in the 2012 IDETC.

Museums:	Museum of Science and Industry, Field Museum of Natural History, Peggy Notebaert Nature Museum (Lincoln Park), Chicago Children's Museum (Navy Pier)
Arts:	Chicago Art Institute, Chicago Museum of Contemporary Art, Chicago Museum of Modern Art
Dining:	Every cuisine known, from small and comfortable eateries to world class restaurants
Zoos:	Brookfield Zoo, Lincoln Park Zoo, Shedd Aquarium, Adler Planetarium
Parks:	Millenium Park, Grant Park, entire lakefront
Entertainment:	Chicago Symphony, Lyric Opera, numerous nightclubs featuring live music of all genres
Shopping:	Michigan Ave., a.k.a. the Magnificent Mile, is well known for its stores and shops
Architecture:	Chicago is recognized as the world's leader in architecture, there is the new glass Skydeck in the Sears Tower,



The Chicago Spire (2012 completion),



- Laboratories: numerous historical buildings and boat cruises on Chicago River focusing on architectural history
Argonne National Lab, Fermi Lab and the Rehabilitation Institute of Chicago.
- Universities: UIC, Northwestern, Illinois Institute of Technology with engineering programs and many other universities and colleges in the city - U. of Chicago, DePaul, Loyola, and many more with engineering programs nearby, Marquette, Notre Dame, Purdue, UIUC, Wisconsin, Bradley, Rose Hulman

Conference Location

The Chicago Loop, which describes the historical center of downtown Chicago, contains a vast number of hotels. The central business district is the second largest in the U.S., behind Midtown Manhattan. The most likely sites for the conference are the Chicago Downtown Marriott Hotel, which was the site of the 2003 IDETC, and the Palmer House Hilton, which was the site of the 1990 IDETC. Both are located in the heart of downtown, within easy walking distance of most major attractions.

Host

The University of Notre Dame will host the conference. Notre Dame is located in South Bend, Indiana, 95 miles east of Chicago. The university has a sizable College of Engineering with outstanding undergraduate and graduate programs. Active research within the college, and in particular within the Department of Aerospace and Mechanical Engineering, is well aligned with the various topics covered in the conference. The proposing conference chair and program chair, Stanišić and Schmiedeler, respectively, have discussed the 1990 and 2003 conferences with members of its organizing committee from the University of Illinois at Chicago (Krishna Gupta 1990 and Ahmed Shabana 2003) and benefit from their experience of very successfully hosting the conference in downtown Chicago. Stanišić and Schmiedeler are currently pursuing other researchers in the Chicago area who are regular participants in the IDETC to serve as other members of the organizing committee for 2012. Phil Vogelwede from Marquette University in Milwaukee (95 miles north of Chicago) will be among them.

Transportation

Chicago is directly served by two major airports and within 100 miles of many smaller ones. O'Hare International Airport is one of the best connected airports in the U.S., serving over 70 million people a year. Direct flights to/from most major international cities are available. O'Hare is located 20 miles northwest of downtown Chicago, and travelers can reach downtown most conveniently via public transportation on the Chicago Transit Authority (CTA) Blue Line that provides 24-hour service at a one-way cost of \$2.25. Trains leave every 8 or 10 minutes, depending upon the day and time. CTA trains are modern, clean, safe, and reliable. Taxis, buses, and shuttle services are other, more expensive options. Chicago Midway Airport is one of the fastest growing airports in the U.S., serving over 17 million people a year. This domestic airport offers direct flights to/from most major U.S. metropolitan areas. Midway is located 10 miles southwest of downtown Chicago, and again, public transportation via the CTA Orange Line is the easiest and least expensive way to reach downtown from the airport. As with O'Hare, taxis, buses, and shuttle services are also available. Car rental is available at either airport, but not recommended as the cost of parking in downtown Chicago is significant.

Conclusion

Chicago is a very desirable destination for both domestic and international attendees of the IDETC. The wealth of activities and opportunities available within walking

distance in downtown Chicago and via readily accessible public transportation farther out make it a particularly exciting conference location. The College of Engineering at the University of Notre Dame strongly supports hosting the conference in Chicago, with a significant financial commitment to the event. Two previous IDETC conferences have been held in Chicago with great success. The most recent, in 2003, will still be 9 years removed from the 2012 conference, and there certainly are differences between even- and odd-year conferences. In summary, we are confident that the 2012 IDETC would be very successful if held in Chicago.

Institutional Support

Stanišić and Schmiedeler have the full support of the Aerospace and Mechanical Engineering Department, the College of Engineering and the Office of Research at the University of Notre Dame. Attached is a letter stating their commitment.



UNIVERSITY OF
NOTRE DAME

AEROSPACE AND MECHANICAL ENGINEERING

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Notre Dame, Indiana
46556-5637 USA

Telephone (574) 631-5430
Facsimile (574) 631-8341
E-mail amedept@nd.edu
Website <http://ame.nd.edu>

July 22, 2008

To Whom It May Concern:

The University of Notre Dame is pleased to support the efforts to bring the 2012 IDETC to Chicago, Illinois. Monetary support has been agreed upon in the following manner:

- Office of Research will provide \$10,000 in support
- College of Engineering will provide \$5,000 in support
- Aerospace and Mechanical Engineering Department will provide \$5,000 in support

The Department has also agreed to provide administrative support of the conference.

Sincerely,

Stephen M. Batill
Professor and Chair
Aerospace and Mechanical Engineering

Technical Committee Reports

(W. Clark)

Technical Committees Report

- **Change of the Committee Chairs:** The changes in the committee leadership this year are as follows:
 1. Design Automation Committee: Frank Liou is replaced by Kazuhiro Saitou of the University of Michigan.
 2. Design Theory and Methodology Committee: Michael Scott is replaced by Li Shu of the University of Toronto.
 3. Mechanisms and Robotics Committee: Gordon Pennock is replaced by Jahangir Rastegar of SUNY Buffalo.
 4. Micro and Nano Systems Committee: Laxman Saggere is replaced by Arvind Raman of Purdue University.
 5. Multibody Systems and Nonlinear Dynamics Committee: Kurt Anderson is replaced by Bala Balachandran of the University of Maryland.
 6. Power Transmission and Gearing Committee: Ahmet Kahraman will be replaced by Avinash Singh of General Motors.

- **Micro and Nano Systems Committee Bylaws:** The DED Executive Committee approved the new by-laws for the MNS committee.

- **Matching Funds to DEC for Awards:** The Design Education Committee was approved to receive funds of \$4,250 for a best DEC paper and for a student paper competition for the 2009 IDETC.

- **Name change for DFM:** The former Design for Manufacturing committee has changed its name to Design For Manufacturing and Life Cycle (DFMLC).

- **New Technical Committee:** A new technical committee was formed this year, the Mechatronic and Embedded Systems and Applications (MESA) Committee. The DED will provide the MESA Committee a start-up fund of \$2,000 for awards for papers and student competitions, and for the MESA Committee Award.

Submitted by

William W. Clark

August 2009

Journal Relations and Publications

(K. Anderson)

**Publications Committee Report
ASME Design Engineering Division
July 2009**

Preparation of guidelines for Turnover of DED journal Editor-In-Chief (EIC)

Very basic requirements are described within the DED Executive Committee Bylaws for the process associated with replacing a DED journal EIC when their term in office is expiring. It appears that in the past the actual procedures followed have been within the basic requirements as defined by the bylaws, but have been somewhat ad hoc. In an effort address the many questions which have recently been posed of me regarding this process, I am written a draft guideline and associated timeline which formalizes the procedure.

This procedure has been provided to Wei Chen for distribution to the DED Executive Committee for their consideration and comment. This document and process will be discussed at the DED Executive meeting held at the IDETC/CIE 2009 in San Diego..

DED Journal Revenue Sharing

A proposal was put forward by William Clark on revenue sharing associate with the DED journals. I have not yet been able to determine the status of this. It does not appear that this has moved forward.

*Report Submitted by Kurt S. Anderson
Chair DED Publications Committee* □

Guide and Timeline for Turnover of DED Journals Editor-In-Chief (EIC)

Overview of Process.

The DED Executive Committee is currently united in its feeling that it is best that DED journal Editor-In-Chief (EIC) positions not be held by the same individual for consecutive five-year terms. This being the case the current EIC has the privilege of submitting up to three names (and associated bios/CVs and supporting material) of candidates to the DED Publications Subcommittee Chair. Once these materials have been checked for completeness, they will be forwarded to the full DED Executive Committee for consideration. These materials are to be provided to the DED Publications subcommittee Chair at least six months in advance of the EIC term end date. Nominally, this will require getting the completed nomination packets to the DED Publications Subcommittee Chair prior to July 1, of the year in which the EIC term ends.

To reduce both time and potential embarrassment the EIC should contact the individuals whom they wish to nominate and be sure that they are willing to hold the journal office. The EIC should then secure a full CV of the nominee to be submitted in pdf format.

Irrespective of the number of individuals the current EIC wishes to have considered for the appointment, the EIC should not rank the nominees. However, the EIC is requested to provide a brief companion document in which the EIC clearly provides his or her opinion as to the strengths and weaknesses of each individual being nominated. This document will greatly aid the DED Executive Committee in its selection.

These materials will be reviewed by the DED Executive Committee and will be discussed during the closed session portion of the DED Executive Committee meeting held at the following IDETC/CIE meeting, nominally in early September. Selection of the new EIC will be made at this meeting by simple vote.

If upon the review of the nomination materials any of the DED Executive Committee members feel that the nominees are all unacceptable, then the member(s) in question should be prepared to suggest an alternate nominee that they feel is appropriate. This nominee will also be discussed at the IDETC/CIE meeting if necessary.

In the event that the nominee of choice is unable to begin his or her role as EIC on the traditional start date of the term (nominally January 1 of the following year), then this start date may be deferred. If the nominee cannot begin the appointment at the intended time due valid reasons (e.g. conflict of interest such as might occur if the nominee is currently a member of the DED Executive Committee), then the DED Executive Committee may elect to extend the term of the EIC and defer the new EIC start date as needed. This extension/deferment is nominally for six months, but may

be as much as a year.

Recommended Timeline:

By June 1: EIC Contacts Potential Nominees for EIC position -

Current EIC contacts individuals who current EIC wishes to nominate to the EIC position.

The EIC should request current vitae of each nominee and confirm that the candidate is willing to serve as EIC if selected..

By July 1: EIC Provides Nomination Materials to DED Executive Committee -

The EIC should provide the DED Publications Subcommittee Chair with an electronic (pdf) packet of nomination materials (CV of each individual to be considered; Companion document clearly indicating strengths and weaknesses of each nominee) for each individual whom the EIC wishes to have considered for the EIC position.

Once checked for completeness, this will then be distributed to the remaining members of the DED for their consideration by July 15, at the latest. The DED Executive committee will then consider the material and will vote at the following IDEC which nominally takes place during the first week of September.

By August 1: DED Executive Committee Review of EIC Nomination Materials; Request additional Input; Propose Alternate -

The DED Executive committee should review the nomination materials provided by the outgoing EIC. If any DED Executive Committee member feels that none of the outgoing EIC recommended nominees is acceptable, then the DED Executive Committee member(s) should be prepared to put forward an alternate nomination (complete with CV) for the EIC at the DED Executive Committee meeting at the upcoming IDETC/CIE. This alternate candidate will only be discussed if a majority of the DED Executive Committee members agree that the original slate of candidates is unacceptable. Because time will likely not be available for the Executive Committee members to become adequately familiar with the alternate candidate(s) materials at this meeting, the committee member who puts forward the alternate(s) is to provide a verbal summary for the most important aspects of the the alternate candidates experience and CV.

If additional input is desired on the various nominees, the DED Executive Committee Chair should formally request that the outgoing EIC be present at the following IDETC/CIE DED Executive Committee Meeting, to answer questions about their nominees.

Annual IDETC/CIE DED Exec Committee Meeting

DED Executive Committee Discussion of Nominees and Vote -

The DED Executive committee having reviewed the materials provided by the outgoing EIC, discusses the nominations in closed session. The outgoing EIC may be present at the meeting to answer questions about the various nominees. If the Executive Committee desires to have the outgoing EIC present for questioning, then his

attendance is to be formally requested by the Chair of the DED Executive Committee as described above. At the end of the discussion, a majority of the DED Executive Committee member will hopefully agree that one or more of the nominees/candidates are acceptable, and further agree on which candidate is best for the EIC based in the information provided. This determination will most easily be accomplished by a series of simple votes.

If upon the review of the nomination materials a majority of the DED Executive Committee agree that the nominees are all unacceptable, then the member(s) should be prepared to suggest and discuss an alternate nominee that the members feel is appropriate (as described above). Because time will likely not be sufficient for the Executive Committee members to become adequately familiar with the alternate candidate(s) materials at this meeting, the Executive Committee will discuss the alternate(s) as time permits. The Executive Committee will then decide when a further discussion and vote (possibly via teleconference) should take place.

In the event that the nominee of choice is unable to begin his or her role as EIC on the traditional start date of the term (nominally January 1 of the following year), then this start date may be deferred. If the nominee cannot begin the appointment at the intended time due valid reasons (e.g. conflict of interest such as might occur if the nominee is currently a member of the DED Executive Committee), then the DED Executive Committee may elect to extend the term the EIC and defer the new EIC start date as needed. This extension/deferment is nominally for six months, but may be as much as a year.

This needed deferment/EIC extension should discussed at the time of the vote on the EIC nominee. If at this time the DED Executive Committee believes that it is in the best interests of the journal in question to extend the EIC term and permit the start date deferment, then the extension and deferment will be formally voted on. If the extension and deferment are approved, they are to be recorded along with a statement indicating the length and justification of the extension.

Prepared by
Kurt S. Anderson
Publications Committee Chair

Honors and Awards

(G. Fadel)

Honors & Awards Committee
G. M. Fadel, Chair
Design Engineering Division -ASME

Report for meeting of August 29, 2009
San Diego, CA

1. This year, the committees that judged the awards were:
 - Machine Design Award**
Alan Parkinson, Crispin Hales, Art Erdman, Jeffrey Ge, Gordon Kirk and Georges Fadel
Alan Parkinson must be replaced this year. Next June, we will need three new members to replace Crispin Hales, Art Erdman and Jeff Ge. Gordon Kirk will serve until 2011.
 - Ruth & Joel Spira Outstanding Educator Award**
Mike Keefe, Art Erdman, Gul Kremer, Alan Parkinson, Alexander Slocum, Georges Fadel
Note that the EC appointed Mike Keefe to replace Clive Dym. Does he have to be approved by the exec committee? The Spira award committee consists of 3 EC members (Keefe, Kremer and Slocum) and 3 DED members. Alan Parkinson served until June 2009 and has to be replaced. Erdman and Slocum serve until 2010.
 - Leonardo DaVinci Award**
Alan Parkinson, Crispin Hales, Art Erdman, Jeffrey Ge, Gordon Kirk and Georges Fadel
Alan Parkinson must be replaced this year. Next June, we will need three new members to replace Crispin Hales, Art Erdman and Jeff Ge. Gordon Kirk will serve until 2011.
 - Barnett-Uzgiris Product Safety Award**
Alan Parkinson, Crispin Hales, Art Erdman, Jeffrey Ge, Gordon Kirk and Georges Fadel
Since this award was set up in 2008, ASME says the terms of the committee members starts in 2008. However, we want some staggering of the dates, so we should appoint three members this year, and three next year.
 - Robert E. Abbott Award**
Boddy Clark, Judy Vance, Georges Fadel (appointed as needed by DED chair)
2. The job of the H&A Committee is to select qualified candidates who meet the qualifications for the three awards. This year there were nominations for:
 - Machine Design Award – Selection is: J. Michael McCarthy
 - DaVinci Award – Selection is: S.V. Sreenivasan
 - Robert E. Abbot Award – Dan Segalman
3. We need more qualified nominations for all the awards, so we are hereby soliciting nominations – These are due February 1 every year. Nomination packets are carried over automatically for 3 years and then removed from consideration, unless renewed by the nominator.
4. I put all the awards certificates information on a spreadsheet to ensure completeness. Thank you all for your patience and help. I plan eventually to move this to the web to facilitate interaction.

G. M. Fadel, Chair
DED Honors & Awards Committee
July 16, 2009