

ASME DESIGN ENGINEERING DIVISION

EXECUTIVE COMMITTEE MEETING

AGENDA

Sunday, August 28, 2011

2:00 – 4:30 PM

1. Call to Order	W. Clark	2:00
2. Approval of Minutes for March Teleconference	C. Rahn	2:02
3. Chair's Report	W. Clark	2:05
4. Vice-Chair/Treasurer's Report	V. Kumar	2:20
5. Past Chair's Report	H. Hamidzadeh	2:35
6. Liason Reports		
a. Systems and Design Group	H. Hamidzadeh	2:50
b. Headquarters Report	T. Graves, E. Dolan, and L. Pettiford	2:55
7. Executive Committee Reports		
a. Technical Conferences	S. Agrawal	3:00
• 2011 IDETC/CIE: N. Jalili		
• 2012 IDETC/CIE: M. Stanisic and J. Schmiedeler		
• 2013 IDETC/CIE: H. Dankowicz and D. Quinn		
• 2014 IDETC/CIE: V. Krovi and T. Sugar		
• 2015 IDETC/CIE		
b. Technical Committee Operations and IMECE	W. Chen	3:25
8. Journal Relations and Publications	K. Anderson	3:30
9. Honors and Awards	Y. Jin	3:40
10. Old Business		3:50
a. DED relationship with ME Magazine	J. Falcioni	
11. New Business		4:00
a. Journal Accounts		
b. Renewal of IFToMM dues and USCToMM Committee		
c. Government Relations Committee		
d. Professional Engineering Licensure Committee		
e. DED and TC Strategic Planning		
12. Adjourn		4:30
Joint Meeting with Systems and Design Group Board		5:00-6:00

ASME DESIGN ENGINEERING DIVISION

EXECUTIVE COMMITTEE MEETING

MINUTES

Sunday, August 28, 2011

2:00 – 4:30 PM

Capitol B Room

Hyatt Regency on Capitol Hill

Attendees: W. Clark, C. Rahn, K. Anderson, H. Hamidzadeh, N. Jalili, W. Chen, C. McAteer, E. Dolan, L. Pettiford, J. Falcioni, S. Agrawal, E. Manes, V. Krovi, D. Lee, M. Stanisic, J. Schmiedeler, A. Karvelis, V. Kumar.

1. Call to Order

Clark called the meeting to order at 2 p.m.

2. Approval of Minutes for March Teleconference

Rahn moved that the minutes for the March teleconference be approved. Kumar seconded. The motion passed unanimously.

3. Chair's Report

Clark's report is attached. He recommended revisiting whether we should close some non-active standing committees.

4. Vice-Chair/Treasurer's Report

Kumar's report is attached. Total DED funds are currently \$1.36M. Kumar recommended easier and earlier access to financial data for the incoming treasurer. Importation into standard database/spreadsheet software rather than using on-line tool is recommended. DED received \$74K from 2010 IDETC that was distributed to the TCs based on number of papers submitted. Pettiford discussed the procedure for allowing access to the financial database. Manes lead a discussion of the opening/managing of sub-accounts. He recommended that committees with only one award should have only one account with no sub-account. No committee recommendation was made.

5. Past Chair's Report

H. Hamidzadeh

Hamidzadeh's report is attached. Recreation engineering subcommittee under DAC TC may be moving toward full committee. Parkinson was thanked for his work at the 2010 IDETC with students.

6. Liason Reports

a. Systems and Design Group

H. Hamidzadeh

Hamidzadeh thanked Chen for her work with ASME magazine.

b. Headquarters Report E. Manes, T. Graves, E. Dolan, and L. Pettiford

Pettiford is still the primary ASME contact for DED. Manes and Graves are the second line of contact during the current staffing transition. New candidates for this position are currently being interviewed. A new tool Event Planning and Approval Tool (EPAT) has been developed starting for 2013 IDETC. The old paper forms have been discontinued. A business plan is now required for conference proposals if ASME takes financial risk. Benefits, goals, and objectives of the proposed event are requested. Standardized financial information must be submitted. A new ASME staff member has been hired to help with financial reporting. You can save your work as you go on EPAT and then submit when everything is in final form.

7. Executive Committee Reports

a. Technical Conferences

• 2011 IDETC/CIE

Jalili's report is attached. Around 1200 papers have been accepted to the conference. Over 1300 people have registered for the conference. The workshops were very well registered with an average of 40 people. The weather has necessitated some cancellations and rescheduling. The UMD tour and reception was canceled. Three workshops were canceled. Dankowicz volunteered to organize makeup sessions for DED. ASME did not approve a change in the no show policy. Jalili has requested that DED support his initiative to allow a review of the no show policy due to weather. Dolan discussed the logistics of the makeup sessions. Jalili described the regular no show policy. With the weather problems, many presenters have proof that they were prevented from attending. Jalili would like to relax the policy for these people. He would like to add a statement to the website "The no show policy will be reviewed after the conference." Hamidzadeh pointed out that at an earlier conference was exempted from the no show policy. It is up to DED to request a relaxation of this policy.

• 2012 IDETC/CIE

The report by Schmiedeler and Stanisic is attached. They reported that the website is on-line. The hotel is committed to run two buses on a loop to/from Navy Pier and Downtown for 4 – 5 hours per day. The organizing team is contacting Northwestern for a tour at the RIC (Rehabilitation Institute of Chicago). Chen suggested to contact UIC and IIT for additional tour ideas.

• 2013 IDETC/CIE

The report by Dankowicz and Quinn is attached. The conference location has not yet been decided. Quinn and Dankowicz were in transit and could not attend the meeting. Dolan described that they were considering five cities and initiated the planning and approval process. Chen pointed out that the international design (ICED) conference is to be the week of August 19 and date conflict with IDETC should be avoided. Dates in August are currently being considered.

- **2014 IDETC/CIE**

Agrawal moved that the DED select the proposal by Krovi and Sugar for IDETC 2014 (see attached). The motion was seconded by Kumar. The motion passed unanimously. Krovi summarized the proposal for the committee. Timing of the conference in August may allow the use of dorms at U. Buffalo.

- **2015 IDETC/CIE – no report.**

Agrawal suggested revisiting the provision of discretionary funds to conference organizers to help with planning and organizing. Clark requested that Agrawal provide a proposal to address this issue.

- b. Technical Committee Operations and IMECE**

The report by Chen is attached. She motioned to approve the seven incoming TC chairs. Hamidzadeh seconded. The motion passed unanimously. Clark thanked Chen for her outstanding service.

8. Journal Relations and Publications

The report by Anderson is attached. He was unable to present orally due to his cell phone being cut off.

9. Honors and Awards

The report by Fadel is attached. Jin was unable to present an oral report.

10. Old Business

- a. DED relationship with ME Magazine**

The report by Falcioni is attached. He intends to include at least one article from the Design Division going forward in the ASME magazine. He encouraged the submission of more article ideas to his group. He also offered to meet with Clark and others to discuss potential industry support for IDETC 2012.

11. New Business

- a. Journal Accounts**

The agreement approved in the March meeting was that all journal revenues were to be forwarded to the editors to use to improve their journals. The new accounts were to have been started on July 1. Clark asked whether the money should be capped at \$10K for each journal. Kumar recommended that the editors provide a report on how they're using the funds. Hamidzadeh agreed that this should be done. Decision to cap would be based on the report and use of the funds by the editors. Clark asked Anderson to request a report from the editors that details the funding they receive from ASME and what they plan to do with the money. If the plan is acceptable then 100% of the funds can be provided to the journal editor. Manes pointed out that secretarial support are already being covered so this would be over and above that amount. This would only be required for future years. The journals will get the full allocation of royalties this year because this

funding was approved in February.

b. Renewal of IFToMM dues and USCToMM Committee

Clark questioned whether the liason and dues for this entity should be continued. Agrawal volunteered to gather information about this position. Clark recommended that the committee follow up via email. Agrawal pointed out that several DED members participate in this committee.

c. Government Relations Committee

Clark asked about the history of this committee and whether it should continue because the term of Irem Tumer, the current chair, is ending. He volunteered to look into finding a replacement for Irem and present his findings to the committee.

d. Professional Engineering Licensure Committee

Karvelis proposed eliminating this committee and developing a new committee on a different topic. Clark requested a proposal from Karvelis on this topic.

e. DED and TC Strategic Planning

Clark discussed the large balances in the DED accounts and what they should be used for in the future. Clark asked that all members provide a list of top 3 areas that the division should invest. These ideas might also then be forwarded to the TCs for their comments. Sunil supported the concept of idea generation to spend the division funds. Hamidzadeh encouraged that the investments be in line with the goal of the division eventually becoming an institute. Clark also encourage that the funds be used to most benefit the conference attendees who pay registration.

12. Adjourn

Clark adjourned the meeting at 4:45.

DED Chair's Report
William W. Clark
August 15, 2011

EXECUTIVE COMMITTEE MEMBERSHIP:

Effective July 1, 2011, the following changes were made to the membership of the DED Executive Committee:

1. Chris Rahn was elected as the new Secretary.
2. Yan Jin was elected as the new Honors and Awards Committee Chair, replacing Georges Fadel who has completed his term of service. A special thanks goes to Georges for doing an outstanding job in a very time-consuming position.
3. Sunil Agrawal, the previous Secretary, is now the IDETC Executive.
4. Vijay Agrawal, the previous IDETC Executive, is now the Vice-Chair and Treasurer.
5. Hamid Hamidzadeh completed his year as chair and is now serving as the Past Chair on the Executive Committee. Hamid has worked diligently to advance the goals of the division through his service on the Executive Committee as well as in other ASME groups.
6. Wei Chen and Kurt Anderson, Technical Committee and IMECE Executive and the Publications Committee Chair, respectively, will stay in their positions for another year.
7. Ahmed Shabana has completed his tenure as a DED Executive Committee member. A special word of thanks is extended to Ahmed for his many years of dedicated work on the committee, including Chair of the Nominating Committee during the past year. Hopefully the DED will benefit from Ahmed's experience and dedication in other areas of ASME service for many years to come.

FINANCES

The DED's finances have grown during the past year not only due to strong market performance, but also due to distributions of funds from conferences, journals, and membership. The combined balance of all Division accounts is greater than \$1.3M. The steady revenue from the primary activities of the division is a good indicator of the vibrant nature of the division.

The 2010 IDETC in Montreal hosted 589 technical papers and generated a surplus in revenue of \$74,638, which was divided between the Division and the sponsoring Technical Committees, while the IMECE netted over \$10,000 and royalties from the journals exceeded \$50,000.

The Technical Committees and the Division used their funds primarily to support awards, with the award accounts seeing increases of over \$100,000 during the year.

More details about the DED finances are presented in Vijay Kumar's Treasurer's report.

EVENTS

The showcase event of the Design Engineering Division each year is the IDETC meeting. This event has become a premier international meeting for Design Engineering researchers and practitioners, with sessions devoted to cutting edge research, tutorials, and exhibits. The 2010 IDETC was held in Montreal, in conjunction with the CIE meeting. The combined conferences

hosted over 700 technical papers, a corporate exhibit, and tutorials and workshops. Upcoming IDETC events are being planned for Washington, DC in August-Sept 2011 and in Chicago in 2012.

A special event was held at the 2010 IDETC by the Committee on Broadening Participation, which was focused on enriching the experience of women and minorities within the Design Division. This event was very popular among attendees and will be expanded this year.

In addition to the IDETC, the technical committees also sponsor sessions at the ASME IMECE each year. In 2010, DED committees sponsored over 50 sessions in five different technical tracks at the IMECE in Vancouver, British Columbia. Similar sponsorship efforts are currently underway for the 2011 IMECE in Denver, Colorado.

TECHNICAL COMMITTEES

The work of the DED is carried out by its many members and active participants in the Technical Committees, including:

- Design Automation (DAC)
- Design Education (DEC)
- Design for Manufacturing and the Life Cycle (DFMLC)
- Design Theory and Methodology (DTM)
- Fastening and Joining (F&J)
- Mechanisms and Robotics (M&R)
- Mechatronic and Embedded Systems and Applications (MESA)
- Micro & Nano Systems (MNS)
- Multibody Systems and Nonlinear Dynamics (MSND)
- Power Transmission and Gearing (PTG)
- Reliability, Stress Analysis & Failure Prevention (RSAFP)
- Vehicle Design
- Vibration and Sound (TCVS)

A detailed report from each technical committee can be found in the DED report, which discusses the general mission of each committee and its activities for the past year.

JOURNALS

In addition to the technical conferences, the Design Engineering Division also sponsors five technical journals that cut across a wide range of facets of design engineering. These highly-rated journals include:

- *Journal of Computational and Nonlinear Dynamics* (Ahmed Shabana, Editor)
- *Journal of Mechanical Design* (Panos Papalambros, Editor)
- *Journal of Mechanisms and Robotics* (Michael McCarthy, Editor)
- *Journal of Medical Devices* (co-sponsored with Bioengineering Division) (Arthur Erdman and Gerald Miller, Co-Editors)
- *Journal of Vibration & Acoustics* (Noel C. Perkins, Editor)

- *Journal of Computing and Information Science in Engineering* (co-sponsored with CIE Division) (Bahram Ravani, Editor)

Recently the ASME policy has enabled royalties generated by the technical journals to be returned in part to the sponsoring divisions. This past year the Executive Committee approved providing a portion of these funds to the technical editors in order to support journal operations.

STANDING AND SPECIAL COMMITTEES

One of the most active missions of the DED is to recognize the outstanding research, education, and engineering accomplishments of members of the design engineering community through its vibrant awards program. This is managed by the Honors and Awards Standing Committee. There are currently up to twenty-eight awards given out within DED during any two year period, including four Society-level awards, two Division-level awards, six Division/Committee-level awards, and sixteen Committee-level awards. As detailed in the Treasurer's report, the majority of the revenue received by the division is directed toward the accounts used to support these awards.

Aside from the Publications Committee and the Honors and Awards Committees, whose chairs have recently become members of the Executive Committee, one of the most active standing committees in the division is the Committee on Broadening Participation of Women and Minorities, founded by Judy Vance and Jan Terpenny. This committee has created a very popular program, highlighted by a workshop at the IDETC, to promote women and minorities in design engineering fields. This past year the Executive Committee approved establishment of a separate account through which this standing committee will have more direct control over their operating funds.

Finally, the Publicity and Newsletter committee does an outstanding job each year creating a newsletter that is distributed to our membership, which is the largest in ASME. Due to the high costs of printed publications, this past year the decision was made to convert to an electronic newsletter. During the course of the year, however, the DED was approached by *Mechanical Engineering* magazine with a proposal to print the newsletter in the magazine. The September issue will mark the first of what we hope to be many such publications of our newsletter. In addition, plans are underway to periodically print general interest articles that highlight some of the many research and engineering activities of our division. One of the highlights of being part of the Design Engineering Division is the opportunity to work with so many creative and energetic people, so it will be good to see some of their work being distributed to a broad Mechanical Engineering audience.

Respectfully submitted,

William W. Clark

DED Treasurer Report August 28, 2011

William Clark
Chair and Outgoing Treasurer

Vijay Kumar
Vice Chair and Incoming Treasurer

1. Summary of Accounts

Account #	Account Name	Balances			
		6-30-08	7-27-09	5-6-10	6-30-11
4-xxxx	All Accounts	906,677.99	789,323.40	1,000,879.24	1,361,557.05
4-0061	DED Custodial	428,455.79	329,102.69	465,819.59	670,508.77

Committee Accounts

		6-30-08	7-27-09	5-6-10	6-30-11
4-0075	DAC	20,689.57	19,904.30	29,628.34	33,680.99
4-0076	M&R	22,366.28	16,336.53	22,378.25	29,651.88
4-0077	DFMLC	19,151.89	18,040.05	22,699.88	30,473.91
4-0078	DTM	27,128.10	8,301.89	12,464.76	13,176.45
4-0079	RSAFP	5,445.87	4,482.42	6,721.52	8,060.35
4-0080	DEC	6,169.76	785.10	1,861.21	3,879.76
4-0081	TCVS	26,416.2	16,724.28	16,704.98	15,095.30
4-0082	PTG	14,775.37	12,161.37	16,018.66	15,209.40
4-0083	Vehicle Design	1,752.29	3,609.56	5,791.60	9,391.99
4-0084	F&J	1,836.16	1,511.30	1,590.37	1,907.16
4-0085	MSND	29,097.96	13,165.55	28,050.65	25,589.09
4-0088	MNS	3,617.42	8,766.73	13,250.33	16,596.02
4-	MESA*	Not available	Not available	Not available	Not available
4-0171	Broadening Participation ^{§*}				68.29

Award Accounts

4-0062	Comp Mech [§] (M&R)				500.00
4-0063	DAC Comm Awd	45,990.1	32,531.23	34,757.07	47,402.42
4-0064	Abbot Awd	31,338.00	23,975.84	27,171.31	30,906.38
4-0065	DaVinci Awd	19,261.75	15,854.01	18,203.23	17,580.31
4-0066	Den Hartog Awd (TCVS)	41,961.94	45,322.65	11,261.09	13,504.15
4-0067	Outstd Educ Awd	7.58	7.58	7.59	7.59
4-0068	M&R Awd	14,054.19	22,046.38	23,761.91	35,950.99
4-0069	Myklestad Awd (TCVS)	21,550.28	28,522.21	31,731.50	65,823.18
4-0070	DTM Comm Awd	624.32	11,294.83	21,992.91	25,580.98
4-0071	Yang Awd	54,892.53	44,317.57	49,661.64	58,368.95
4-0072	Dudley Award (PTG)	7,466.47	3,000	7,069.41	16,477.55
4-0073	M&R Best Paper Awd	9,081.55	14,306.12	20,025.07	24,013.87
4-0074	MNS Awd	1,779.97	3,075.95	4,305.60	4,472.15
4-0086	D'Alembert Awd (MSND)	25,898.89	32,101.48	35,861.66	51,004.91
4-0087	Lyapunov Awd (MSND)	25,867.75	32,075.78	35,832.11	50,969.49
4-0089	DAC Young Inv Awd		15,000	15,950.69	23,943.15
4-0090	DTM Best Paper Awd		10,000	11,393.34	13,662.79
4-0091	MNS Innovator Awd		3,000	3,418.00	8,098.83
4-	MESA [§] Awd			5,494.97	
4-	Freudenstein Young Inv Awd [§] (MR)				

*Incomplete information

[§] Accounts with no balance in earlier years are recently established

2. IDETC 2010 Report

2010 IDETC Financial Report				
	CIE	DED	Total	
Papers	141 (20%)	589 (80%)	730	
Net Surplus	\$18,659	\$74,638	\$93,297	
Division/Conference	Number of Papers	Percentage	Portion of Surplus	Account
DED	589	50% of \$74,638	\$37,319	4-0061
AVTT	40	7% of 589	\$2,612	4-0083
DAC	112	19% of 589	\$7,091	4-0075
DEC	29	5% of 589	\$1,866	4-0080
DFMLC	55	9% of 589	\$3,359	4-0077
DTM	53	9% of 589	\$3,359	4-0078
MNS	61	11% of 589	\$4,105	4-0088
MR	190	32% of 589	\$11,942	4-0076
VIB	49	8% of 589	\$2,985	4-0081
TOTAL	730		\$74,638	

3. IDETC Historical Perspective

Papers

	2011	2010	2009	2008	2007	2006	2005
AVTT	30	40	29	33	31		
CIE	177	142	174	215	115	93	128
DAC	114	112	122	134	125	118	127
DEC	33	30	34	29	21	24	
DFMLC	58	55	35	33	32	25	30
DTM	50	53	51	47	54	49	51
MR	133	190	137	166	139	135	122
MESA	133		83		41		29
MNS	69	61	65	58	46		
MSNDC	140		234		221		268
PTG	70		35		116		42
RSAFP	15		27		20		18
VIB	173	49	174		255		307
TOTAL	1195	732	1200	715	1216	444	1122
No. of tracks	26	15	28	16		15	

Revenues

	2006	2007	2008	2009	2010
Total IDETC Revenues	\$39,896	\$195,253	\$82,985	\$144,432	\$93,297
DED Custodial	\$16,051	\$88,594	\$31,096	\$61,745	\$37,319
AVTT	\$0	\$2,435	\$1,980	\$1,745	\$2,612
DAC	\$5,079	\$9,818	\$7,364	\$7,342	\$7,091
DEC	\$862	\$1,649	\$1,733	\$2,046	\$1,866
DFMLC	\$1,054	\$2,513	\$2,042	\$2,106	\$3,359
DTM	\$4,169	\$6,362	\$4,363	\$3,069	\$3,359
MESA	\$0	\$3,220	\$0	\$4,995	\$0
MNS	\$0	\$3,613	\$3,527	\$3,912	\$4,105
MR	\$4,887	\$10,917	\$10,087	\$8,245	\$11,942
MSNDC	\$0	\$17,358	\$0	\$14,082	\$0
PTG	\$0	\$9,111	\$0	\$2,106	\$0
RSAFP	\$0	\$1,571	\$0	\$1,625	\$0
VIB	\$0	\$20,028	\$0	\$10,471	\$2,985
Total DED	\$32,102	\$177,189	\$62,192	\$123,490	\$74,638
CIE	\$7,794	\$18,064	\$20,793	\$20,942.75	\$18,659
CIE(% total IDETC)	19.54%	9.25%	25.06%	14.50%	20.00%
Total IDETC Revenue	\$39,896	\$195,253	\$82,985	\$144,432	\$93,297

4. DED Transactions and Transfers

DED Transactions and Transfers from July 2010 to June 2011			
Date	Amount	Payee	Remarks
7/22/10	\$250	Susan P. Huggins & Co	Digital File Summer Newsletter
9/30/10	\$846.80		Certificates
10/8/10	\$900.18	Valerie Davidson	Payment for instructing workshop on Broadening Participation
10/8/10	\$1,203.23	Carolyn J. Emerson	Payment for instructing workshop on Broadening Participation
10/19/10	\$313.00	Judy M. Vance	Reimbursement for dinner expenses during 2010 IDETC in Montreal
10/8/10	\$1,000.00	Carolyn Emerson and Valerie Davidson	Honoraria for instructing workshop on Broadening Participation
10/11/10	\$447.56	Kazem M. Kazerounian	Travel to TCOB Meeting
10/25/11	\$13.50		Postage
10/31/10	\$2,266.91	Fairmont Queen Elizabeth Hotel	IDETC Event
11/30/11	\$1.66		Postage
1/13/11	\$52.78		Postage
1/31/11	\$54.20		Postage
1/31/11	\$1.76		Postage
1/31/11	(\$57,131.50)		2010 JNLS Royalties (5)
3/30/11	(\$30,000.00)		Contrib Unrestrd (TIMSS Integration)
4/6/11	\$200.00	Pets Connect	Donation
4/30/11	(\$37,319.00)		2010 IDETC/CIE Distribution
6/30/11	(\$10,318.96)		2010 IMECE Distribution
5/31/11	132.95		Congress Correction
6/30/11	\$46,337.00		2010 Award Matching Funds
6/30/11	(\$14,377.33)		Int Div Fee Dist (annual total from monthly distributions)
6/30/11	(\$11,312.50)		MBR VOL CONTRIB
6/30/11	(\$11,256.81)		Investment CAPL GAIN LOSS (annual total from monthly distributions)
6/30/11	(\$77,407.42)		Investment UNRLZD GAPL G L (annual total from monthly distributions)
	(\$3,309.97)	Total Expense	
	(\$191,792.02)	Total Revenue	
	(\$195,101.99)	Net Change	

5. Committee Transactions and Transfers

Committee Transactions and Transfers from July 2010 to June 2011*					
Date	Amount	Committee	Acct #	Payee	Remarks
7/31/10	\$1,000.00	DAC	4-0075	Jonathan Cagan and Lindsay Hanna	Best Paper Awards
7/31/10	\$416.67	M&R	4-0076	Multiple recipients	Compliant Mechanism Awards at IDETC 2010
7/31/10	\$500.00	M&R	4-0076	Francesco Mazzini	Best Paper Award at IDETC 2010
7/31/10	\$15,000.00	TCVS	4-0081		Transfer to Myklestad Award
7/31/10	\$500.00	MNS	4-0088	Harold Craighead	Keynote Speaker Honorarium
9/30/10	\$192.80	DAC	4-0075		Certificates
9/30/10	\$201.00	M&R	4-0076		Certificates
9/30/10	\$159.90	DEC	4-0080		Certificates
9/30/10	\$15.20	TCVS	4-0081		Certificates
9/30/10	\$98.80	Veh Design	4-0083		Certificates
9/30/10	\$99.40	MNS	4-0088		Certificates
10/8/10	\$1,000.00	DAC	4-0075	Dennis W. Watson	Digital File
10/31/10	\$559.51	MSN	4-0088	Fairmont Queen Elizabeth Hotel	Food & Beverage
11/30/10	\$13.40	DAC	4-0075		
12/2/11	(\$1,000.00)	DAC	4-0075		Bank Transaction Entry
4/30/11	(\$7,091.00)	DAC	4-0075		IDETC Distribution
4/30/11	(11,942.00)	M&R	4-0076		IDETC Distribution
4/30/11	(\$3,359.00)	DFMLC	4-0077		IDETC Distribution
4/30/11	(\$3,359.00)	DTM	4-0078		IDETC Distribution
4/30/11	(\$1,866.00)	DEC	4-0080		IDETC Distribution
4/30/11	(\$2,985.00)	TCVS	4-0081		IDETC Distribution
4/30/11	(\$2,612.00)	Veh Design	4-0083		IDETC Distribution
4/30/11	(\$4,105.00)	MNS	4-0088		IDETC Distribution
6/30/11	\$3,000.00	DAC	4-0075		Transfer to DAC Young Investigator Award
6/30/11	\$4,342.00	DAC	4-0075		Transfer to DAC Award
6/30/11	\$5,000.00	M&R	4-0076		Transfer to M&R Award
6/30/11	\$5,000.00	M&R	4-0076		Transfer to Freudenstein Young Investigator Award
6/30/11	\$5,000.00	TCVS	4-0081		Transfer to Myklestad Award
6/30/11	\$4,000.00	PTG	4-0082		Transfer to Darle Dudley Award
6/30/11	\$4,000.00	MSND	4-0085		Transfer to Lyapunov Award
6/30/11	\$4,000.00	MSND	4-0085		Transfer to D'Alembert Award
6/30/11	\$2,000.00	MSN	4-0088		Transfer to MNS Innovator Award

**Transactions listed in this table do not include investment gains and losses to committee accounts.

6. Unresolved Questions

- Information on the following accounts is incomplete:
 - Broadening participation (\$10,000 transfer missing?)
 - MESA
 - MESA Award
 - Freudenstein Award
- We discussed transfers from DED to the division awards last year. The status of this (approved but not executed?) is unclear.

7. Discussion

1. Information about the accounts is hard to obtain. Usually it is not current. Previous treasurers, Clark and Shabana, have worked hard to improve the system but it is still suboptimal.

2 As the conference revenues show, the future is bright. As the custodial account grows, how should we invest in DED? Should we do more to invest in Journals? Technical Committees? How do we empower them? This is a broader DED discussion and will be led by the chair.

3. The sum of \$57K from journal royalties was transferred into the DED account in January 2011. Should these revenues be directly invested in the journals? How? In a previous DED meeting we decided to establish journal accounts. A copy of the latest spreadsheet showing revenues from journals over the last three years is provided below.

ASME Design Engrg Div					
DED Jml Rev Share summary.xls					
DiVietro & McAteer					
Journals: Revenue Recognition					
As of June 22, 2011					
DATE, Transfer to Custodials Accts.		Sep-08	Jun-09	Jan-11	cummulative to date
Technical Division/Inst	Journal				
Design Engr Div	J. Mechanical Design	13,531	21,700	29,938	65,169
Design Engr Div	J. Comp Info Science in Eng	591	1,616	2,933	5,140
Design Engr Div	J. Vibrations, Acoustics	12,817	12,767	14,698	40,282
Design Engr Div	J. Comptl & Nonlinear	0	1,573	6,182	7,755
Design Engr Div	J. Mechanisms & Robotics	0	0	0	0
Design Engr Div	J. Medical Devices	0	0	3,381	3,381
Design Engr Div	SubTotals	\$ 26,939	\$ 37,656	\$ 57,132	\$ 121,726

EXECUTIVE COMMITTEE REPORTS

Greetings from the Past Chair

Hamid R. Hamidzadeh - Immediate Past DED Chair



It has been a privilege and a pleasure to act as Chair of the Executive Committee of the ASME Design Engineering Division for the past year. Our Committee was supported by the dedication, commitment and efforts of Ahmed Shabana (Past Chair), William Clark (Vice Chair and Treasurer), Vijay Kumar (IDETC & IMECE Executive), Georges Fadel (Honors and Awards Chair), Kurt Anderson (Publications Chair), Wei Chen (Technical Committees Chair), Sunil Agrawal (Secretary of Executive Committee) and many other enthusiastic and hard working individuals. I would like to take this opportunity to thank them for the support that they have given me and to congratulate them on their achievement.

This year seems to have passed too quickly, and it is time for me to report on the year's activities and notable features. In summary, the DED has remained the most active, leading, and vibrant division of the Society by fostering the art, science, and application of Design Engineering and promoting the professional careers of design engineers in education, research, and engineering practices. Due to the excellent revenue from the DED Journals and Conferences, the DED is in sound financial order with over \$1,000,000 in all its accounts.

The 2010 IDETC/CIE conference in Montreal, under the leadership of Pierre Larochelle as the conference General Chair and Andrew Murray as the Program Chair, was very successful with a surplus of \$ \$74,638 to the DED and its technical committees. In addition to thriving sub-conferences, the Division's Student Affairs and Early Career Professionals Committee attracted a large number of student members, which was a great feat. I also commend the efforts of the Committee on Broadening Participation of Women and Minorities for organizing successful workshops at the recent IDETC events.

The 2011 IDETC/CI, which includes thirteen sub-conferences, will take place during August 28-31, 2011 in Washington D.C. We are on schedule with all necessary preparations for this event. It should be noted that the DED has received and approved proposals for organizing IDETC events for 2012 through 2014. At the same time, due to changes in Society Policy 12.1 and the new conference approval tool, the IDETC Event and other conferences that the DED participates in will be affected and the future organizers are expected to comply with the new requirements.

Financial success of the IDETC conferences has provided the division the opportunity to approve award matching programs for technical Committees. The IDETC annual events have become flagship meetings in the fields of Design Engineering to promote current research accomplishments. The upcoming IDETC events are expected to grow and the DED is reviewing a proposal from the IDETC Executive Committee to reorganize the future IDETC events. Success of the DED is primarily due to the activities and accomplishments of its thirteen dynamic Technical

Committees, which act as pillars for the Division. These technical committees are continuously evolving and, as a result, new activities are developed. To streamline the activities of DED Technical Committee chairs and the Executive Committee members, we developed timelines for the expected tasks. Last year, the members of the Division successfully launched activities to initiate a new subcommittee under the Design for Manufacturing and the Life Cycle Technical Committee, called Entertainment Engineering. This new subcommittee has the potential to become a new Technical Committee before long. Furthermore, in collaboration with the ME Magazine, the DED plans to publish two to three pages of general-interest magazine articles every month related to our Technical Committees' interest areas. This can bring more visibility to Division activities and increase our membership. In addition, the ME Magazine will publish the DED's annual newsletter in their September issue every year. This magazine has a circulation of approximately 100,000, plus a total readership approaching 90,000.

The DED's highly rated journals (four sponsored and two co-sponsored) continued to offer important insights into original scientific developments in all aspects of Design Engineering. Last year, Ahmed Shabana and Bahram Ravani, received unanimous endorsement by the DED Executive committee to serve as the editors-in-chief for the ASME journals of *Computational and Nonlinear Dynamics*, and *Computing and Information Science in Engineering* respectively. These new editors were nominated by the past editors-in-chief, Subhash Sinha and Jami Shah who served these Journals. Furthermore, the DED Executive Committee members unanimously voted for Arthur Erdman to serve as the Co-editor of *Journal of Medical Devices*. It should be noted that Subhash Sinha, Jami Shah, and Arthur Erdman are the founding editors of these three journals and I am very grateful to each of them for their accomplishments. In addition to the three editors, the DED appointed a number of new Associate Editors and reappointed several others for the DED journals during the past year. In addition, to augment the operation of all five journals that are associated with the DED, in its last teleconference on February 3, 2011, the DED Executive Committee approved a proposal to return its 15% share of journal revenues received from the ASME to the respective journal editors.

Christopher D. Rahn and Yan Jin were recently elected as the DED Secretary and Awards Chairs, respectively. They will begin their terms in July 2011. Congratulations to both of them. Finally, I want to thank our Past Chair, Ahmed Shabana, for his outstanding services to the DED over the last six years. Also, I should thank all of the above-mentioned people for their hard work on behalf of the Division. I wish the Division continued success in the coming years.

Progress Report on

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

<http://www.asmeconferences.org/IDETC2011>

Submitted to:
ASME DESIGN ENGINEERING DIVISION (During 2011 IDETC/CIE)
August 15, 2011

As the General Chair, it is with my great pleasure and honor to report on the progress of the 2011 ASME International Design Engineering Technical Conferences and Computers in Engineering Conference (2011 IDETC/CIE). Since late 2007, we have been actively working, in consultation with ASME conferences management, to develop a comprehensive and effective plan for a variety of activities ranging from local attractions and entertainment to students activities, industrial tours, family activities and many more to bring lasting memory and enjoyment to the participants.

The 2011 IDETC/CIE consists of thirteen conferences, of which twelve are organized by various technical committees in the ASME Design Engineering Division and the Computers and Information in Engineering Division, and one is cooperatively organized with IEEE. These thirteen technical conferences are:

- 13th International Conference on Advanced Vehicle and Tire Technologies (AVTT)
- 31st Computers and Information in Engineering Conference (CIE)
- 37th Design Automation Conference (DAC)
- 8th International Conference on Design and Design Education (DEC)
- 16th Design for Manufacturing and the Life Cycle Conference (DFMLC)
- 23rd International Conference on Design Theory and Methodology (DTM)
- 35th Mechanisms and Robotics Conference (MECH)
- 2011 ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA2011)
- 5th International Conference on Micro- and Nanosystems (MNS)
- 8th International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC)
- 11th ASME International Power Transmission and Gearing Conference (PTG)
- 21st Reliability, Stress Analysis, and Failure Prevention Conference (RSAFP)
- 23rd Biennial Conference on Mechanical Vibration and Noise (VIB)

Of the 1465 draft papers originally submitted to the conference, 1209 have been included in the final technical program. In addition, the conference contains 15 conference-specific and 4 symposium-specific keynote lectures, 13 conference-specific panel sessions (including a Q&A session with Design Engineering Division journal editors-in-chief, and a session on funding opportunities for research with participation from several federal funding sources and research labs) and 10 workshops sponsored by various technical committees and conferences.

We believe that this year's technical program is faithful to the multidisciplinary and multifaceted nature of engineering design research, education, and outreach. As of this report (Aug. 15, 2011), we have well over 1200 registrants for the conference, as well as oversubscription to all 10 workshops (about 50-75 attendees per workshop) and most social events and activities.

A successful technical program depends on many dedicated conference chairs, program chairs, technical committee chairs, members of advisory and international committees, symposium organizers, authors, and reviewers. We would like to extend our sincerest appreciation to these members of our community, who make this landmark 2011 IDETC/CIE a reality. We would also like to express my appreciation for the diligent efforts of the ASME staff, whose hard work behind the scenes and in support of this conference often goes unnoticed.

In addition to the excellent technical program, the 2011 IDETC/CIE will offer a number of receptions and social events on all three days of the conference. A University of Maryland (UMD) Tour and Reception is scheduled for Sunday, where we will welcome all old and new friends and all participating students at the UMD's reception with a number of attractive technical and social tours. On Monday night, a conference-wide reception will be held at the Hyatt Regency on Capitol Hill. The program also includes a number of events, including a conference-wide breakfast for all attendees each morning, a Student Networking Reception, and a 2012/2013 Kickoff Social on Wednesday evening.

Best wishes for an enjoyable conference experience!

Respectfully submitted.

Dr. Nader Jalili,
2011 ASME IDETC/CIE General Conference Chair
<http://www.asmeconferences.org/IDETC2011>

Northeastern University
Phone: (617) 373-3629, Email: n.jalili@neu.edu

2012 ASME IDETC & CIE Conferences

Status Report

The site of the 2012 ASME IDETC & CIE Conferences will be Chicago, Illinois. The conference dates are August 12–15 2012. The venue is the Hyatt Regency McCormick Place <http://mccormickplace.hyatt.com>, which is in the South Loop of downtown Chicago and one block from Lake Michigan. The venue is new and spacious. For technical sessions, there are 15 meeting rooms with a capacity 60–65 people each and 10 meeting rooms with a capacity of 84 people each. Meeting rooms are all centrally located on two levels which are open to each other by a sunlight atrium that is accessible from the conference hotel via sky bridge. The negotiated room rate is \$165 per night, with complimentary internet access included in sleeping rooms and the conference meeting rooms. IDETC will include the following conferences:

- 24th Conference on Mechanical Vibration and Noise (VIB)
- 1st Biennial International Conference on Dynamics for Design (DFD)
- 32nd Computers and Information in Engineering Conference (CIE)
- 38th Design Automation Conference (DAC)
- 36th Mechanisms and Robotics Conference (MECH)
- 6th International Conference on Micro- and Nanosystems (MNS)
- 9th Symposium on International Design and Design Education (DEC)
- 24th International Conference on Design Theory and Methodology (DTM)
- 17th Design for Manufacturing and the Life Cycle Conference (DFMLC)
- 14th International Conference on Advanced Vehicle and Tire Technologies (AVTT)

The organizing team consists of:

- General Conference Chair, Michael Stanasic, University of Notre Dame
- General Program Chair, James Schmiedeler, University of Notre Dame
- Workshops and Tutorials, Philip Voglewede, Marquette University
- Local Events Coordinator, Craig Goehler, Valparaiso University

The conference website is in place. As for special events, currently Navy Pier is the preferred location for the Conference Reception on Tuesday evening, but Soldier Field and the Shed Aquarium are also under consideration because both are within walking distance of the conference hotel. Additional tours such as an architecture tour via boat ride on the Chicago River and a trip to the Skydeck of the Willis Tower (formerly the Sears Tower) to see the glass “Ledge” (<http://www.theskydeck.com/>) are under consideration. These would be individually paid and not included in the conference registration. Potential technical tours include Northwestern University’s rehabilitation and robotics laboratories, among others.

For IDETC2012, we have budgeted for only one luncheon, which is scheduled for Tuesday, August 14, 2012. This luncheon is not an awards luncheon as it is meant for social networking. The cost of the luncheon is included in the registration fee for all attendees (full, student and life registrants). Additionally, we have budgeted for a short (45-minute) “Awards Reception/Presentation” that would take place on Tuesday evening just prior to the technical committee meetings. Divisions may wish to distribute their division-level awards at this function, and to draw attention

to it, we plan to offer a drink ticket to each person in attendance. Technical committee awards can be distributed during the parallel "Awards Sessions" that are currently planned for the end of the day on Tuesday. Alternately, if they so desire, individual conference may opt to distribute their awards during one of their Keynote, Plenary or Committee Meetings instead. Finally, if either the DED and/or CIE Division wish to host an individual awards "luncheon" on Monday, August 13, 2012 or Wednesday, August 15, 2012, they may do so upon confirmation of hotel space. Note, these 'additional' lunches are NOT included in the approved conference budget. Therefore, they would need to be subsidized by the divisions' custodial accounts and/or covered by attendees paying an additional fee to attend.

The 2013 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference

Organization Status Report

August 15, 2011

Prepared by:

Harry Dankowicz
University of Illinois at Urbana-Champaign
Dept. of Mechanical Science and Engineering

D. Dane Quinn
The University of Akron
Dept. of Mechanical Engineering

EXECUTIVE SUMMARY

The effort to organize the 2013 ASME International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, IDETC/CIE, in the late summer or fall of 2013 is well underway. General Conference Chairs and Technical Program Chairs have been selected. In addition, an Advisory Committee has been formed.

Preliminary site selection is currently pursued in parallel with an effort to finalize the business plan and budget for formal approval. Advertisement for the 2013 event will begin during 2012, no later than the 2012 IDETC/CIE meeting in Chicago, IL.

CONFERENCE INFORMATION

The International Design Engineering Technical Conferences (IDETC) and Computers and Information in Engineering Conference (CIE) are sponsored by the Design Engineering and Computers in Engineering Divisions of the American Society of Mechanical Engineers. In 2013 the IDETC/CIE is expected to host the following sub-conferences:

- 25th Biennial Conference on Mechanical Vibration and Noise (VIB)
- 33rd Computers and Information in Engineering Conference (CIE)
- 2013 ASME/IEEE International Conference on Mechatronic and Embedded Systems and Applications (MESA2013)
- 9th International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC)
- 39th Design Automation Conference (DAC)
- 12th ASME Power Transmission and Gearing Conference (PTG)
- 22nd Reliability, Stress Analysis, and Failure Prevention Conference (RSAFP)
- 37th Mechanisms and Robotics Conference (MECH)
- 7th International Conference on Micro- and Nanosystems (MNS)
- 10th Symposium on International Design and Design Education (DEC)
- 25th International Conference on Design Theory and Methodology (DTM)
- 18th Design for Manufacturing and the Life Cycle Conference (DFMLC)
- 15th International Conference on Advanced Vehicle and Tire Technologies (AVTT)

In addition, the possibility of including other ASME conferences, such as the World Conference on Innovative Virtual Reality or the Frontiers in Biomedical Devices Conference, will be explored as the organization of this event unfolds.

CONFERENCE COMMITTEES

Two conference-specific committees, the *Organizing Committee* and the *Advisory Committee*, have been partially formed.

The 2013 IDETC/CIE organizing committee consists of a core of four members in addition to the conference chairs and program chairs of the sub-conferences of the IDETC/CIE as well as co-chairs responsible for specific conference activities, such as workshops and tutorials and student activities. The core of the organizing committee consists of two General Conference Co-Chairs and two Technical Program Co-Chairs.

The General Conference Co-Chairs are Prof. Harry Dankowicz (University of Illinois at Urbana-Champaign) and Prof. Dane Quinn (The University of Akron). The Technical Program Co-Chairs are Prof. Ed Berger (The University of Virginia) and Prof. Walter Lacarbonara (Sapienza, University of Rome). It is noted that Harry Dankowicz and Dane Quinn served together as Technical Program Co-Chairs for the 2009 IDETC/CIE held in San Diego, CA. Harry Dankowicz also serves in this capacity for the 2011 IDETC/CIE held in Washington, D.C.

The Advisory Committee consists of four members, all having served as conference chairs of past ASME IDETC/CIE Conferences. Its members are Prof. Kurt Anderson (Rensselaer Polytechnic Institute), Prof. George Flowers (Auburn University), Prof. Hamid Hamidzadeh (Tennessee State University), and Prof. Ahmed Shabana (University of Illinois at Chicago).

CONFERENCE LOCATION

To provide for flexibility in soliciting competitive bids for the site of the 2013 IDETC/CIE, a number of candidate cities have been researched. At the present time, the organizers are pursuing a short list consisting of Seattle, WA, Portland, OR, Denver, CO, Kansas City, MO, and Memphis, TN with primary emphasis on the first three of these. A number of criteria have been used in identifying these candidate cities, namely

- ease of access for national and international participants;
- availability of hotel-based conference facilities of the magnitude required for the anticipated registration;
- availability of nearby dining and entertainment opportunities for conference attendees;
- availability of tourist-oriented activities for accompanying persons;
- cost of accommodation and meeting space;
- geographical spread of ASME IDETC/CIE conferences and, to some extent, the ASME IMECE;
- and availability of local institutions that can help with local organizational activities.

Ms. Erin Dolan has initiated the process of location selection. The organizers are currently finalizing the business plan and budget in preparation for submission to the ASME Event Planning & Approval Tool (EPAT) for final approval no later than September 2011.



Buffalo-Niagara IDETC 2014



2014 International Design Engineering Technical Conferences
Buffalo/Niagara Falls
Venkat Krovi (SUNY Buffalo) and Thomas Sugar (ASU)

Contents

- 1 Proposal 2
- 2 Meeting Space Options 2
 - 2.1 Option 1: Sheraton on the Falls Conference Centre, Niagara Falls 2
 - 2.2 Option 2: The Niagara Falls convention center 3
 - 2.3 Option 3: Buffalo Convention Center (25 miles from Niagara Falls) 4
- 3 Travel Convenience/Access 5
- 4 Hotel sleeping room rate(s) 5
- 5 City appeal (especially for the Asian contingent) 6
 - 5.1 Niagara Falls: One of the Seven Natural Wonders of the World 6
 - 5.2 Other attractions 6

1 Proposal

We, Venkat Krovi (SUNY Buffalo) and Thomas Sugar (ASU), would like to put forward this preliminary proposal to hold the 2014 IDETC Conference in the Buffalo-Niagara area.

Buffalo is home to the University at Buffalo (<http://www.buffalo.edu>), the flagship institution in the State University of New York (SUNY) system. UB is the largest and most comprehensive campus in the 64-campus SUNY system with 28000 undergraduate and 9500 graduate and professional students. The Mechanical and Aerospace Engineering Department (<http://www.mae.buffalo.edu>) which supports this proposal, is the home to several active faculty members (Venkat Krovi, Kemper Lewis, T. Kesavadas, Bahattin Koc) within the various IDETC conferences and the Design Engineering Division.

Further, Buffalo is within 3-4 hours of a number of American (Rochester Institute of Technology, Cornell University, Case Western Reserve University, Bucknell University, Pennsylvania State University, CMU, University of Pittsburgh) and Canadian (University of Toronto, Ryerson, McMaster, University of Waterloo, University of Western Ontario) universities.

Finally, as a major Summer-Fall tourist destination, Buffalo is serviced by the major (as well as discount) airlines including **AirTran, American, Continental Airlines, Delta, Jet Blue, Southwest Airlines, United Airlines and US Airways** and well connected to the world. Sample round-trip fares (with taxes) for September 2010 travel are noted below:

NYC to Buffalo: \$199.00	MIA to BUF: \$224.00	PEK(Beijing) to BUF: \$1667.00 (US Carriers)
SEA to BUF: \$301.00	SAN to BUF: \$299.00	NRT(Tokya) to BUF: \$1480.00 (US Carriers)
CHI to BUF: \$200.00	ORL to BUF: \$199.00	LON(London) to BUF: \$620.00 (US Carriers)
LAX to BUF: \$299.00	SLC to BUF: \$306.00	

We hope that you will consider this preliminary application for holding the 2014 IDETC in Buffalo favorably and we'll look forward to presenting a more detailed application upon request.

Venkat Krovi Associate Professor Mechanical and Aerospace Engineering University at Buffalo (SUNY) e-mail: vkrovi@buffalo.edu	Thomas Sugar Associate Professor Dept. of Engineering Arizona State University e-mail: Thomas.Sugar@asu.edu
---	---

2 Meeting Space Options

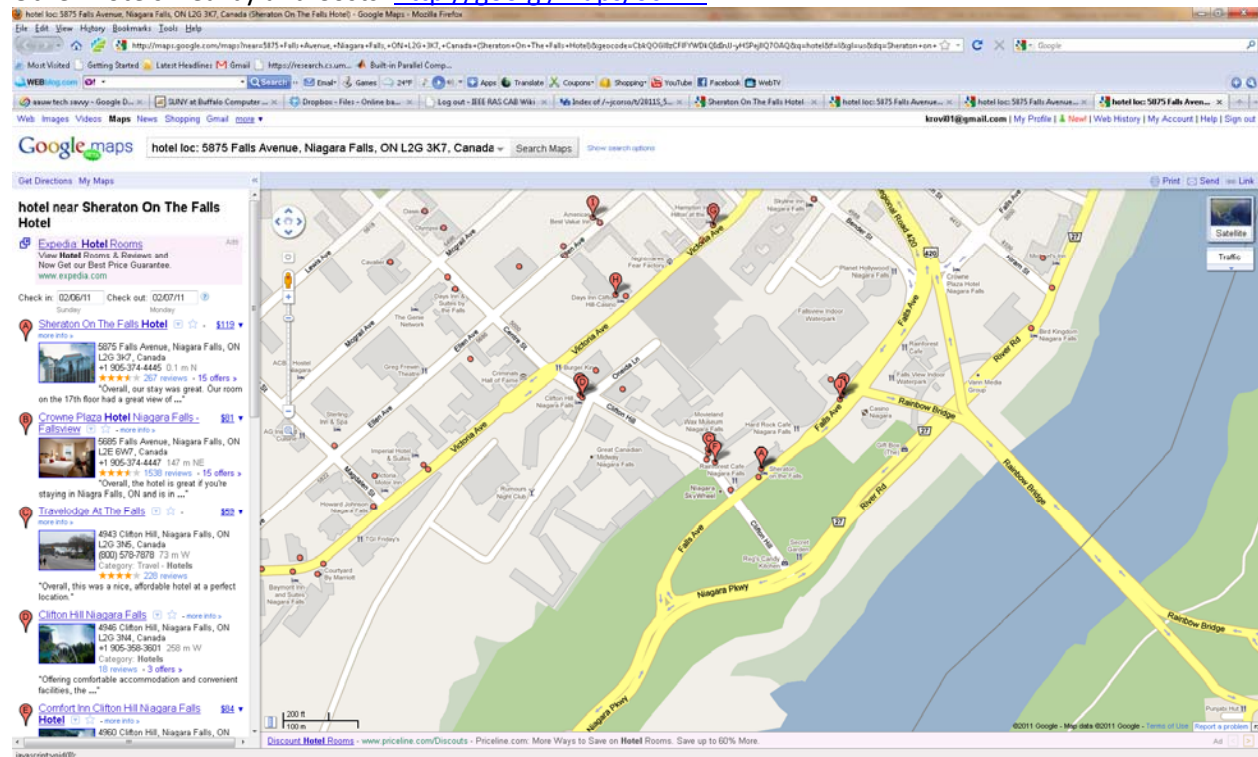
2.1 Option 1: Sheraton on the Falls Conference Centre, Niagara Falls

The 200,000 sq. ft. Sheraton on the Falls Conference Centre. Located on Falls Avenue, Niagara's largest meeting and conference facility is located directly across from the Falls and can accommodate up to 1,200 attendees.

HOTEL INFORMATION: <http://www.sheratononthefalls.com/index.php>

Floor Plans: <http://www.sheratononthefalls.com/groups-floorplans.php?>

Other Hotels Nearby and Costs: <http://goo.gl/maps/Ocmw>



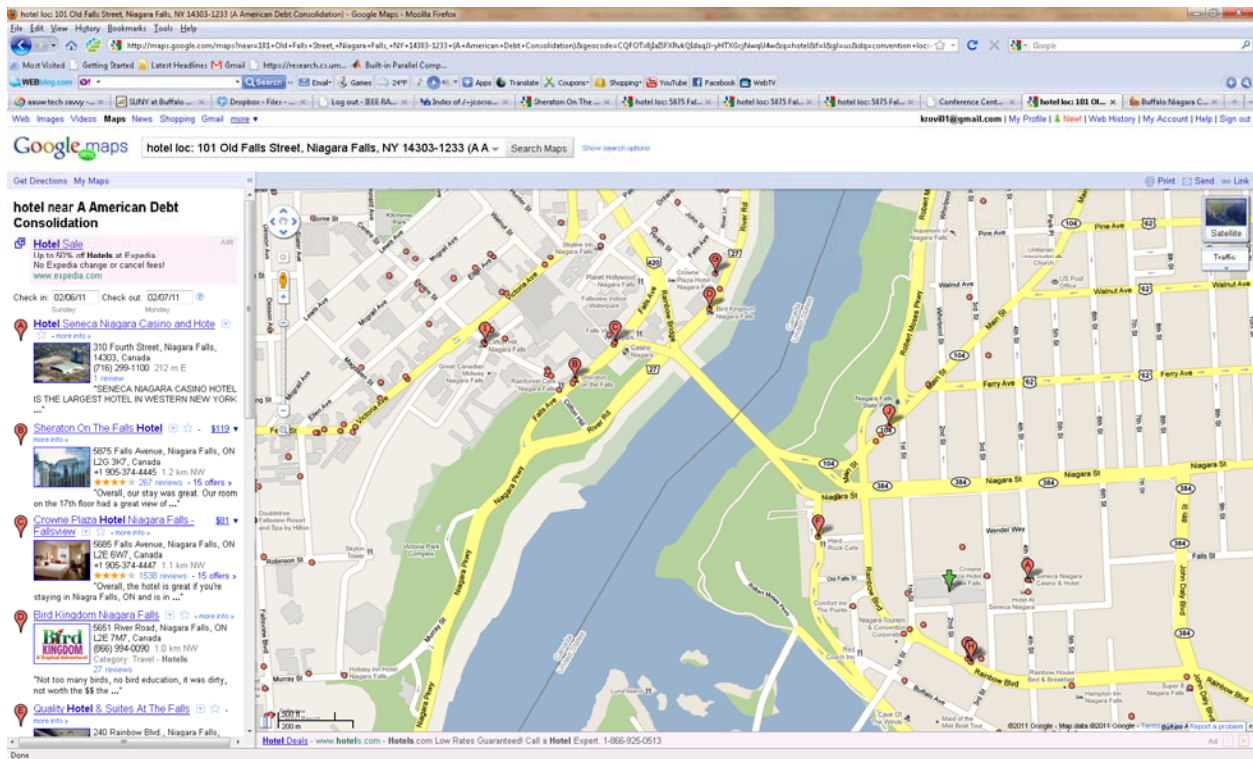
2.2 Option 2: The Niagara Falls convention center

The Conference Center Niagara Falls offers a variety of options, including a 19,500 sq.ft. [Learning Center](#), the 10,500 sq. ft. [Cascades Ballroom](#), a 32,200 sq. ft. [Event Center](#) and 15 high-tech [Meeting Rooms](#).

URL1: <http://www.conferencecenterniagarafalls.com/MeetingRooms.html>

URL2: <http://www.conferencecenterniagarafalls.com/FloorPlan.html>

Other Hotels nearby and Costs: http://maps.google.com/maps?um=1&ie=UTF-8&q=101+OLD+FALLS+STREET+|+NIAGARA+FALLS,+NY+14303&fb=1&gl=us&hnear=Buffalo,+NY+14221&cid=0,0,16398743375096274131&ei=d3tBTankCIO_gQfjq6HxAQ&sa=X&oi=local_result&ct=image&resnum=1&ved=0CBQQnwIwAA



2.3 Option 3: Buffalo Convention Center (25 miles from Niagara Falls)

<http://www.buffaloconvention.com/index.html>

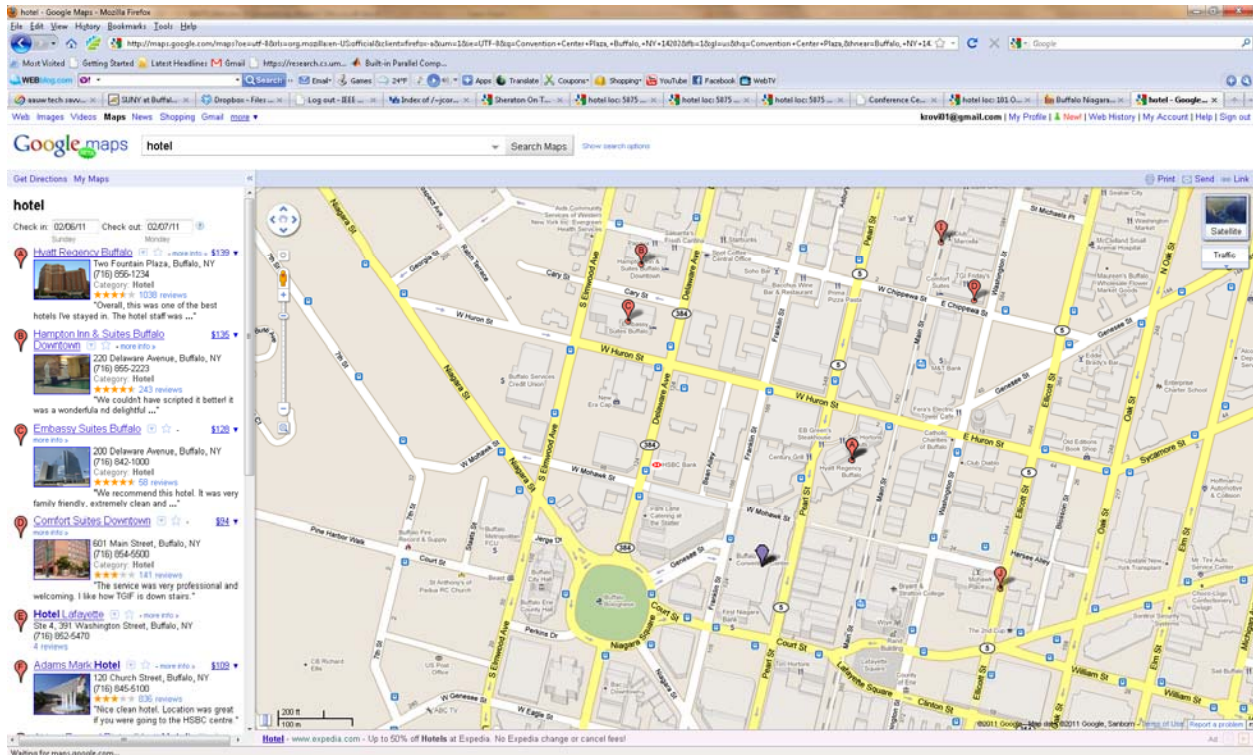


With over 110,000 sq. ft. of space, we can accommodate up to 513 (10ft. x 10ft.) exhibit booths. Plus, our banquet and meeting space configurations are always designed for maximum comfort and convenience.

- Banquet set-up: 72in. round tables, 10 chairs/table
- Ballroom Seating for up to 1,000
- Classroom set-up: 32in. x 8ft. tables, 4 chairs/table
- Audio-visual and multi-media capabilities
- All rooms are completely handicapped-accessible
- Room capabilities vary based on specific needs
- 21 individual meeting rooms

FACILITY AND FLOOR PLAN: <http://www.buffaloconvention.com/facility.html>

Hotels Nearby and Costs: <http://goo.gl/maps/X7Da>



3 Travel Convenience/Access

As a major Summer-Fall tourist destination, Buffalo is serviced by the major (as well as discount) airlines including **AirTran, American, Continental Airlines, Delta, Jet Blue, Southwest Airlines, United Airlines and US Airways** and well connected to the world. Sample round-trip fares (with taxes) for September 2010 travel are noted below:

NYC to Buffalo: \$199.00	MIA to BUF: \$224.00	PEK(Beijing) to BUF: \$1667.00 (US Carriers)
SEA to BUF: \$301.00	SAN to BUF: \$299.00	NRT(Tokya) to BUF: \$1480.00 (US Carriers)
CHI to BUF: \$200.00	ORL to BUF: \$199.00	LON(London) to BUF: \$620.00 (US Carriers)
LAX to BUF: \$299.00	SLC to BUF: \$306.00	

4 Hotel sleeping room rate(s)


Sheraton Niagara Falls Hotels Hotel Rooms From \$119.00

Crowne Plaza Niagara Falls Hotels Hotel Rooms From \$89.00

More rates at: <http://www.niagarafallshotels.com/niagara-falls-hotel-offerings.php?> or

Other Hotels Nearby and Costs: <http://goo.gl/maps/0cmw>

5 City appeal (especially for the Asian contingent)



**Buffalo-Niagara
IDETC 2014**



NIAGARA FALLS




- 15 Miles from Downtown Buffalo.
- Over 20 million tourists in 2008.
- Dozens of attractions on both the American and Canadian side.

GET INTO THE MAID IN THE MIST!




BUFFALO




- Buffalo is the foot of the Erie Canal and original gateway to the West.
- The city has rich cultural and architectural history.
- Buffalo is comparatively inexpensive.
- Summertime weather in Buffalo is beautiful.
- The average high/low of 75°/57° F in August.




MUCH TO DO

- Major and Minor Sports Teams (Buffalo Sabres, Buffalo Bills).
- Theaters, Symphonies, and Arts.
- Rich multi-culture restaurant culture.
- Spacious Olmsted-designed park system.

HOME OF THE BUFFALO WING




5.1 Niagara Falls: One of the Seven Natural Wonders of the World

<http://www.niagara-usa.com/>

No matter when you visit, there are always plenty of things to do in Niagara Falls. Enjoy the beautiful Niagara Falls and have an experience that will last a lifetime. Niagara USA is not only home to the Falls but it is a place rich in history, culture, outdoor life, shopping, adventure and agriculture. There are hundreds of attractions and things to do in Niagara Falls year-round.

Summertime in Niagara USA is packed with free outdoor concerts, festivals and [events](#) to keep you entertained. There are also many events and festivals in the fall and winter months that feature [wine](#), food, and music. Enjoy the [Niagara Falls State Park](#) at anytime of the year and experience over 400 acres of protected wildlife and lush landscape. The whole family will love the Niagara USA experience that offers historical and exciting adventures and tours.

The beauty of Niagara Falls is difficult to replicate, but it's the diverse region that makes Niagara USA so unique. With so many affordable things to do for visitors, especially families, it's no wonder Niagara Falls attracts more than eight million visitors each year.

5.2 Other attractions

<http://www.niagarafallshotels.com/niagara-falls-hotel-attractions.php>

The home of fun and frivolity in the Falls. The Falls Avenue hotel and Entertainment complex is the largest attraction venue of its kind in Niagara. Home to the Fallsview Indoor Waterpark, Adventure City, Hershey Chocolate Store, WWE Experience, 4-D Theatre, MGM Studio Store, Theme restaurants - Falls Avenue is the place to be in Niagara Falls.



[Fallsview Indoor Waterpark](#)

3 acres of water fun await you at the world's only Fallsview Indoor Waterpark.



[Hard Rock Cafe](#)

More than just a restaurant! The combination of excellent food and an unbeatable Rock 'n Roll décor are just two of the many reasons that the Hard Rock Cafe has become a popular attraction in Niagara Falls.



[Hard Rock Club](#)

The Hard Rock Club takes the world famous Hard Rock Cafe concept to new heights and is the destination where a 60's plush velvet lounge meets the

21st century.



[Rainforest Cafe](#)

Experience the 'wild' side at the Rainforest Cafe Niagara Falls. Enjoy a fantastic meal surrounded by towering trees, unique and unusual animals and more!



[Hershey Store](#)

Niagara Falls is home to a unique Hershey Store, over 7000 square feet of both fresh and packaged candy and confections makes this a sweet stop on your Niagara Falls getaway.

Technical Committees Report

I. Change of the Committee Chairs:

One major change of the TC operation starting from 2011 is that the new TC Chair term will start from Oct. 1 annually instead of July 1. This change is made to provide a better match between the TC operation timeline and that of the annual IDETC.

The following changes of TC Chairs (term starting from October 1, 2011) are to be approved at the DED executive committee meeting (August 28, 2011)

1. Design Automation Committee (DAC): Zissimos Mourelatos is replaced by Kemper Lewis of the University of Buffalo.
2. Design for Manufacturing and the Life Cycle Committee (DFMLC): Kazuhiro Saitou is replaced by Marcos Esterman of the Rochester Institute of Technology.
3. Mechanisms and Robotics (M&R): Jeffrey Ge is replaced by Pierre Larochelle of the Florida Institute of Technology.
4. Mechatronic and Embedded Systems and Applications (MESA): Primo Zingaretti is replaced by Martin Horauer of the UAS Technikum Wien in Austria.
5. Micro & Nano Systems (MNS): Gloria Wiens is replaced by Edward J. Berger of the University of Virginia.
6. Design Theory and Methodology (DTM): Li Shu is replaced by Dan McAdams of Texas A&M.
7. Multibody Systems and Nonlinear Dynamics (MSND): Balakumar Balachandran is replaced by Aki Mikkola of the Lappeenranta University of Technology (LUT) in Finland.

No Change

1. Design Education Committee (DEC): Jeffrey Mountain of Norwich University
2. Fastening and Joining (FJ): Timothy Breitzman of the Air Force Research Laboratory.
3. Vibration and Sound (TCVS): Brian Feeny of Michigan State.
4. Power Transmission and Gearing (PTG): Avinash Singh of General Motors
5. Vehicle Design: Corina Sandu of Virginia Tech
6. Reliability, Stress Analysis and Failure Prevention (RSAFP): Toshiyuki Sawa of Hiroshima University.

II. DED and ASME Mechanical Engineering Magazine Collaboration

To bring more visibility to the activities of the Division and increase our membership, DED has been pursuing collaboration with ME Magazine to publish two to three pages of a non-highly technical article, at least one per month, related to the areas of interest to each of our TCs. The articles are geared toward the typical reader of the ASME and aimed to be informative about the state of the art in each field associated with TCs or related industry. Working closely with the technical committees and Mechanical Engineering Magazine Editor-in-Chief John Falcioni, we have solicited close to 30 article ideas, among which two articles have been submitted for the 2011 Fall issues and the submission of another two articles is expected in late August. The ASME editors are in the process of contacting ten (10) additional selected contributors to provide article drafts

for upcoming issues. The following TCs have so far contributed to the article ideas and we look for a wider participation from all TCs.

- Design Automation Committee
- Vehicle Design Committee
- Design Education Committee
- Vibration and Sound
- Mechatronic and Embedded Systems and Applications
- Multibody Systems and Nonlinear Dynamic
- Design for Manufacturing & Life Cycle Committee

III. TC Leadership Training

DED is organizing a Technical Committee Leadership Training meeting for its first time in the annual IDETC conference, to be held 7-8:15 am on Monday, August 29, 2011. The objective of this training is to introduce the DED Technical Committee leadership functions and provide a forum for idea exchange of best practices to enhance further the technical excellence and professional success of TCs. Each TC should send two of its current executive members including the upcoming TC chair to attend this training.

IV. Suggested TC Operating Timeline

To facilitate the operation of technical committees, the DED executive committee prepared a suggested TC operation timeline (attached to this report) as a guideline for several major functions of TC.

Submitted by

Wei Chen, TC executive

Wilson-Cook Professor in Engineering Design
Mechanical Engineering
Northwestern University

August 2011

ASME Design Engineering Division (DED) Technical Committee Operation Suggested Timeline

	TC Leadership	Conference Organization	Awards	Accounting	Reporting /Newsletter
Sep (after IDETC)		Confirm organizer(s) of Special Sessions in next year's IDETC; Solicit session descriptions; Solicit International Liaisons; Solicit track/session organizers for next year's IMECE			
Oct	New TC Chair term starts from Oct. 1; Provide DED updated information of current TC executive committee members	Advertise for next year's conference; Finalize topic areas and special sessions; Finalize International Liaisons		Obtain a copy of the Account activities report for all their accounts from the DED Treasurer. This report should include the paid TC expenses for the awards and the IDETC.	
Nov		Set up all topic areas in IDETC webtool; Assign special session organizers	Solicit society/division award nomination		
Dec		Update IDETC web information as needed			
Jan		Send reminder on IDETC paper deadline and solicitation of panel session	Solicit committee awards nomination; Form committee awards selection committee	Submit funding request to DED	Report all changes to the TC for possible inclusion in the DED poster for the LTC to be held in March.

Feb	Solicit nomination for the incoming TC executive member(s)	Invite review coordinators and provide them with instructions	Submit nominations of society/division award nominations to the Chair of DED Honors and Awards		Submit semi-annual Committee Report to DED on TC activities
Mar		Monitor the review progress; Assist review coordinators; Identify conference keynote speaker			Contribute news items to DED newsletter editor, which may include a review of committee activities and anticipating events
Apr		Make paper acceptance decisions; Finalize panel sessions	Deadline for committee awards nomination		
May	Select the incoming executive member(s)*; Send formal request to DED for approval of incoming TC chair	Send info on keynote speaker to ASME; Prepare Chair's message for IDETC program; Obtain the title, abstract, and speaker bio and photo of keynote talk	Select committee awards' recipients	Review account updates and report any problems Obtain a copy of the Account activities report for all their accounts from the DED Treasurer. This report should include the received revenue from the IDETC event.	
Jun		Finalize session schedule; Assign session chairs/co-chairs; Conference events scheduling	Make best paper selection decision; Prepare document for award announcement		Submit annual Committee Report to DED
Jul		Promote panel sessions and special events; Proofread the final program	Work with DED awards committee for certificates; Notify the authors of best paper winner	Contact ASME to issue checks of awards	

Aug /Sep (at IDETC)	Incoming TC chair attends TC leadership tutorial at IDETC Identify authors and articles for publication in the ME Magazine and provide information to the TCs Executive Chair.	Organize the committee meeting in IDETC	Attend awards banquet; Distribute certificates and awards in banquet or committee meeting		Both TC chair and incoming chair attend the general committee meeting in IDETC to report committee activities
--	---	---	---	--	---

*Some TCs may choose to select incoming TC executive committee member(s) in the TC committee meeting at IDETC.

Note: The above schedule is based on the assumption that IDETC is held in late August to early September of the year. The timeline will be adjusted if the meeting time is different.

Publications Committee Report ASME Design Engineering Division August 2011

The DED's highly rated journals continue to offer important insights into original scientific developments in all aspects of Design Engineering. These journals are:

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

Journal Editor-In-Chief changes:

Journal Computational and Nonlinear Dynamics

On 12/31/2009 the EIC term of Subhash Sinha Expired. To remove any appearance of a conflict of interest with the nominated and DED Executive Committee approved replacement EIC (Ahmed Shabana, the then Chair of the DED Executive Committee), Professor Sinha's term as EIC was extended one year, and will now expire on 12/31/2010. On 1/1/2011 Ahmed Shabana became the EIC for the Journal of Computational and Nonlinear Dynamics.

Journal of Medical Devices

On 12/31/2010 the terms of Arthur Erdman (primarily a DED representative) and Gerald Miller (primarily a Bioengineering Division representative) expired as EICs. Professor Miller has forwarded the *DED Editor-IN-Chief Turnover Guidelines* to the Bioengineering Division to see how it meshes with the Bioengineering Divisions policies regarding selection or retention of Journal EIC. Unlike the DED, the Bioengineering Division (BED) does not limit it EICs to a single term. As such the BED re-nominated Professor Miller for a second consecutive five-year term as co EIC. Further, Professor Miller indicated his strong support for having Professor Erdman continue in a similar manner, and further stated that he would not be able to continue his responsibilities without the aid of Prof. Erdman. Given Prof. Erdman's talents and record, he was granted a consecutive five-year term as co-EIC.

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

Honors & Awards Committee

G. M. Fadel, outgoing Chair and Yan Jin, Chair
Design Engineering Division -ASME

Report for meeting of August 28, 2011
 Washington DC

1. This year, the committees that judged the awards and the new ones as of June 1 are:
 - Machine Design award (and DED general H&A committee)**
 Michael McCarthy, Alex Slocum, Bahram Ravani, Panos Papalambros, Al Ferri and Yan Jin. Gordon Kirk and Georges Fadel served until June 1. There were no nominations for the Machine Design Award.
 - Barnett Uzgiris Product Safety Award**
 Joe Davidson, Crispin Hales, Jeffrey Ge, Gordon Kirk, Dan Segalman and Georges Fadel
 As of June 1, 2011, the members of the committee are: Joe Davidson, Crispin Hales, Jeffrey Ge, Dan Segalman and Yan Jin. One new member is needed.
 - Ruth & Joel Spira Outstanding Educator Award**
 Mike Keefe, Ken Wallace, Gary Kinzel, Gul Kremer, Judy Vance, and Georges Fadel
 As of June 1, the committee replaces Georges Fadel with Yan Jin
 - Leonardo DaVinci Award**
 Steven Velinsky, Joe Beaman, Farrokh Mistree, Itzhak Green, Gordon Kirk, and Georges Fadel
 As of June 1, the committee is: Steven Velinsky, Joe Beaman, Farrokh Mistree, Itzhak Green, George Flowers and Yan Jin
 - Robert E. Abbott Award**
 As needed
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:
 - Barnett Uzgiris Award – Selection is: John Vorderbrueggen
 - Ruth & Joel Spira Outstanding Educator Award – Selection is: Farrokh Mistree
 - DaVinci Award – Selection is: Shorya Awtar
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. Awards have been prepared for all H&A outgoing members as well as outgoing journal editors.

G. M. Fadel, outgoing Chair and Yan Jin, Chair
 DED Honors & Awards Committee
 August 25, 2011

At the 2011 Design Engineering Division Executive Committee meeting in Montreal, John Falcioni, the editor-in-chief of *Mechanical Engineering* magazine spoke briefly to the group and conveyed a desire for the magazine to work closer with the division and its members.

He outlined several scenarios where the magazine would be able to help the division build greater exposure for itself, its work, and its members. The relationship could grow even further in time.

Several phone and e-mail conversations with then-division Chair **Hamid Hamidzadeh** ensued. In March, at the Leadership Training Conference in Texas, Hamidzadeh and Falcioni were joined at a face-to-face meeting by **William “Buddy” Clark** and **Sunil Agrawal** of the Design division, and Nick Ferrari, *Mechanical Engineering* magazine’s director of advertising sales and publishing development. Plans began to take shape.

Falcioni followed up that meeting with the following recommendations:

- I. *Mechanical Engineering* magazine’s September 2011 issue is our DESIGN issue. As such, we are requesting the Division’s input on potential hot article ideas (two or three). These can come in the form of simple ideas for us to consider and pursue; or a member or members of the Division may be working on an interesting project or research and might be interested in writing an article for the magazine. *Please bear in mind that these must be general-interest magazine articles and not journal-type articles.* Our editors would work with individuals from the Division to ensure that the articles are written like magazine-type article that we can publish.
- II. We recommend that the Design Division consider publishing a supplement in the September 2011 DESIGN issue of the magazine. This supplement would be akin to the ones that appear in the magazine from the International Gas Turbine Institute (IGTI), the Nuclear Engineering Division (NED); and the International Petroleum Technology Institute (IPTI). These are 8-page supplements that contain news of the division as well as news of the industry. These bound-in-the-magazine supplements circulate to our entire readership base, which is a circulation of approximately 100,000, plus a total readership approaching 190,000 based on “pass-along” rates. These supplements provide significant visibility for the divisions involved and help recruit new members. These supplements serve both as a division newsletter, and a method to communicate general industry news. This is a break-even model, where the Division pays only for the cost of the supplement. The cost of the supplement is \$1,000/page, or \$8,000 for 8 pages.
- III. We would like to set up an infrastructure where we receive regular input from the Division on technology developments that the magazine should stay abreast of as part of our regular coverage. That is, we would love to receive advice on strong article ideas to write about throughout the year. Further, these ideas would also be filtered to the editors of ASME.ORG as well, thus create a holistic content dissemination approach for news of the industry. Ideally, we would love to be able to publish one article from the Division in each issue of the magazine. We would launch this project with the September 2011 supplement and special DESIGN focus.

Magazine editors and Division members would jointly agree on the focus and length of each article. The magazine would reserve the right to skip a month due to scheduling conflicts or other reasons. The authors would also serve as “subject matter experts” for asme.org editors.

- IV. A future step could include partnership opportunities between the Division and *Mechanical Engineering* where magazine staff would help create an industry component to the existing technical conference. Such a scenario could include exhibits and sponsorships.

At today’s meeting, Falcioni updated the division on the progress that the division and the magazine have made in one year.

The following are highlights of the discussion:

- Each attendee at the ASME 2011 Design Engineering Technical Conference and Computers and Information in Engineering Conference is receiving a copy of the September 2011 Special Design Issue of *Mechanical Engineering* magazine.
- This issue includes two articles written by division member:
 - “Smart and Modular”—Research pursues the design of an autonomous robot that can reassemble itself for different tasks. By **Harry H. Cheng** (ASME Fellow, and the founding chair of the Mechatronic and Embedded Systems and Applications Technical Committee of the ASME DED), and collaborators Graham Ryland, David Ko, Kevin Gucwa, and Stephen Nestinger.
 - “Built to be Reclaimed”—When a plan for efficient disassembly is embedded in a design, a product leaves less trash and, perhaps, more profit. By **Kasuhiko Saitou** (DED member).
- The issue of the *Mechanical Engineering* also includes an 8-page supplement that is the Design Engineering Division newsletter, prepared by the division’s editor, **Seth Orsborn**. Orsborn worked directly with Falcioni and his staff to ensure that deadlines were met and other logistics followed.
- An infrastructure was created where, as point person, the division’s **Wei Chen** would work closely with Falcioni to invite members of the division to submit article ideas for possible publication in *Mechanical Engineering* throughout the course of the year. Besides the articles by Chen and Saitou in the September 2011 issue of the magazine, numerous other articles proposals have been submitted, from each committee of the division, to the magazine for review/approval. Two articles have been currently approved and are being written (**Steve Shaw** et al. on torsional vibration absorbers for automotive efficiency; and **J. Michalek** on designing of plug-in hybrid electric vehicles). More will be assigned in the coming weeks.
- A podcast on the ASME 2011 Design Engineering Technical Conference and Computers and Information in Engineering Conference will be posted on Monday, August 29, on WWW.ASME.ORG featuring **John Michopoulos** of the Naval Research Laboratory (and chair of ASME’s CIE division) on the current trends and challenges in engineering design research.

- Falcioni will write an article on the conference for WWW.ASME.ORG, to be posted on the website the week of September 12th, 2011.
- Falcioni also spoke about the future of the relationship and his desire to continue to work closely with the division. He also expressed interest in pursuing additional opportunities. Specifically, he noted the possibility of helping to grow the conference's exhibits and sponsorship opportunities, and further developing the Design Division "supplement" in the magazine.