

ASME Design Engineering Division Executive Committee Meeting Agenda

Sunday, August 15th, 2010, 1:00 pm – 3:30 pm
Room: Saint-Laurent
Fairmont, The Queen Elizabeth
Montreal, Canada

- | | | | |
|-----|--|----------------------------------|---------|
| 1. | Call to Order | H. Hamidzadeh | 1:00 pm |
| 2. | Approval of Minutes for March Teleconference | W. Chen | 1:02 pm |
| 3. | Chair's Report | H. Hamidzadeh | 1:05 pm |
| | <ul style="list-style-type: none"> • Impact of the Revised ASME 12.1 Policy – Business Plan and Contract with the CIE • ASME Staff Fair Accounting • Development of a DED Fund Raising Plan | | |
| 4. | Vice Chair/Treasurer's Report | W. Clark | 1:20 pm |
| 5. | Past Chair's Report | A. Shabana | 1:35pm |
| 6. | Liaison Reports | | |
| | (a) Systems and Design Group | J. Beaman | 1:50 pm |
| | (b) Headquarters Report | J. Falcioni, E. Dolan, R. Ulvila | 1:55 pm |
| 7. | Executive Committee Reports | | |
| | (a) Technical Conferences (IDETC/CIE & IMECE) | V. Kumar | 2:00 pm |
| | <ul style="list-style-type: none"> • 2010 IDETC/CIE: P. Laroche and A. Murray • 2011 IDETC/CIE: N. Jalili • 2012 IDETC/CIE: M. Stanasic and J.Schmiedeler • 2013 IDETC/CIE: H. Dankowicz and D. Quinn • 2014 IDETC/CIE: V. Krovi and T. Sugar | | |
| | (b) Technical Committee Operations and IMECE | W. Chen | 2:25 pm |
| 8. | Journal Relations and Publications | K. Anderson | 2:30 pm |
| 9. | Honors and Awards | G. Fadel | 2:40 pm |
| 10. | New Business | | 2:50 pm |
| | <ul style="list-style-type: none"> • DED Bylaw change on voting • Award matching • Status of the standing and special committees | L. Schmidt | |
| 11. | Adjourn | | 3:30 pm |

**DED Chair's Report
Hamid R. Hamidzadeh**

**August 15, 2010
EXECUTIVE COMMITTEE**

The main changes in the DED Executive Committee are listed below:

1. Effective July 1, 2010, one new voting member Sunil K. Agrawal was elected as Secretary of the Executive Committee. I would like to thank Kazem Kazeronian, the Chair of the Nominating Committee and its members.
2. Kazem Kazeronian ended his tenure as a DED Executive Committee member. During the last year, Kazem served as the DED Past Chair. I would like to thank him for his dedicated services to the DED for many years. I trust that he will continue promoting the DED objectives for years to come.
3. Ahmed Shabana will replace Kazem as the Past Chair. I would like to take this opportunity to thank him for effectively leading our Division and enhancing the Division financially, administratively, and technically.
4. William Clark will be the Vice Chair/Treasurer. Vijay Kumar will continue to serve as the IDETC Executive for another year. Wei Chen will serve as the Technical Committee Executive and IMECE Executive for two years. Kurt Anderson will continue to serve as the Publication Committee Chair and Georges Fadel continue with his responsibility as the Chair of the Honors and Award Committee. Our newly elected member Sunil Agrawal will serve as the Secretary for one year.
5. During 2009-2010 the DED was recognized again as one the top ASME divisions that received an "A" grade for its performance.

FINANCES

1. The DED finances are in an excellent condition with over \$1,000,000 in all its accounts. The 2009 IDETC/CIE conference in San Diego was very successful with a profit of \$107,948.61. The DED custodial account received \$46,102.90, and the DED Technical Committees received \$61,845.71 based on the number of papers.
2. An award matching program was approved by the DED Executive Committee. The funds were expected to be allocated to the committee accounts. More details about the DED finances are presented in Buddy's report.

IDETC EVENTS

1. The IDETC events have become the premier international meetings in the fields of Design Engineering and they are organized to showcase cutting edge research and accomplishments, and to enrich the educational experience in related fields. The upcoming IDETC events are expected to grow and the DED has received proposals from the IDETC and IMECE Executive to reorganize the future IDETC events. It should be noted, too, that the DED has been actively represented in the International Mechanical Engineering Congress and Exposition.
2. In summary, the intended outcomes of the revised Policy P-12.1 are as follow. These changes have been effective since April 15, 2010 and will have an impact on the requirements for organizing the IDETC events:
 - Fair, uniform open conference planning
 - Forum for sharing best practices
 - A how-to procedure
 - Sound business practices for sustainable conferences
 - Conforming to IRS nonprofit requirements
 - Flexibility planning in an open Society

For further details please visit the following site:

http://www.asme.org/Governance/Society_Policies.cfm

Also see the Conference Planning Committee website for additional resources and required templates at:

<http://committees.asme.org/K&C/CPC/home.cfm>

3. According to the new ASME policy called Financial Accounting & Information Reporting (FAIR), all ASME conferences will be charged for the K&C staff time. For the DED, this includes working on CA-1/CA-2 forms, development of contract and MOU, accounting, and preparation for the awards. This policy has been effective since May 2010.

TECHNICAL COMMITTEES

Success of the DED has been made possible through the activities and accomplishments of its 13 dynamic Technical Committees, which act as pillars of the Division. These Technical Committees are:

- Design Automation
- Design Education
- Design for Manufacturing and the Life Cycle
- Design Theory and Methodology
- Fastening and Joining
- Mechanisms and Robotics

- Mechatronic and Embedded Systems and Applications (MESA)
- Micro & Nano Systems (MNS)
- Multibody Systems and Nonlinear Dynamics
- Power Transmission and Gearing
- Reliability, Stress Analysis & Failure Prevention
- Vehicle Design
- Vibration and Sound

JOURNALS

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),

Ahmed Shabana and Bahram Ravani, who were nominated by the current editors-in-chief for the ASME journals of *Computational and Nonlinear Dynamics*, and *Journal of Computing and Information Science in Engineering*, received unanimous endorsement by the DED Executive committee and they will start serving their respective journals as the new editor-in-chiefs on January 2011.

STANDING AND SPECIAL COMMITTEES

1. Committee on Broadening Participation of Women and Minorities: Judy Vance renewed her request from the DED to partially support a workshop for women and minorities at the 2010 IDETC. The funding was granted for refreshments and to support the travel of facilitators to the workshop. The proposal was unanimously approved by the DED EC.
2. Last Year Newsletter: The cost of producing and shipping the newsletter was \$10,981.34. For this year, it was recommended to have only electronic copies of the newsletter in order to reduce the cost.

Respectfully submitted,
Hamid R. Hamidzadeh

DED Treasurer Report July 1, 2010

Prepared by
William W. Clark
Vice Chair and Treasurer

Account #	Account name	Balances			
		06-30-08	07-27-09	03-31-10	05-06-10
4-0414-XXXX	All Accounts	906,677.99	789,323.40	989,678.76	1,000,879.24
4-0414-0000	DED Custodial	428,455.79	329,102.69	480,431.75	465,819.59

Committee Accounts:

4-0414-5032	DAC	20,689.57	19,904.30	19,881.33	29,628.34
4-0414-5034	M&R	22,366.28	16,336.53	23,231.37	22,378.25
4-0414-5035	DFM	19,151.89	18,040.05	23,565.25	22,699.88
4-0414-5036	DTM	27,128.1	8,301.89	12,939.95	12,464.76
4-0414-5037	RSAFP	5,445.87	4,482.42	6,977.76	6,721.52
4-0414-5038	D-EDUC	6,169.76	785.10	1,932.16	1,861.21
4-0414-5041	Vibration & Sound	26,416.2	16,724.28	30,265.02	16,704.98
4-0414-5042	PTG	14,775.37	12,161.37	16,629.34	16,018.66
4-0414-5048	VDGN	1,752.29	3,609.56	6,012.39	5,791.60
4-0414-5049	F&J	1,836.16	1,511.30	1,651	1,590.37
4-0414-5050	MSND	29,097.96	13,165.55	29,639.08	28,050.65
4-0414-5060	MNS	3,617.42	8,766.73	13,755.47	13,250.33

Award Accounts:

4-0414-5001	DAC COMM AWD	45,990.1	32,531.23	36,082.10	34,757.07
4-0414-5002	ABBOT AWD	31,338	23,975.84	28,207.15	27,171.31
4-0414-5003	DAVINCI AWD	19,261.75	15,854.01	18,897.19	18,203.23
4-0414-5004	DEN. HART. AWD	41,961.94	45,322.65	11,690.40	11,261.09
4-0414-5005	OUTSTD EDUC AW	7.58	7.58	7.59	7.59
4-0414-5006	MECH&ROB AWD	14,054.19	22,046.38	24,667.77	23,761.91
4-0414-5007	MYKLESTAD AWD	21,550.28	28,522.21	32,941.19	31,731.50
4-0414-5008	DTM COMM AWD	624.32	11,294.83	13,488.23	21,992.91
4-0414-5009	N. YANG AWD	54,892.53	44,317.57	51,554.88	49,661.64
4-0414-5053	D'ALEMBERT AWD	25,898.89	32,101.48	37,228.81	35,861.66
4-0414-5054	LYAPUNOV AWD	25,867.75	32,075.78	37,198.13	35,832.11
4-04145010 *	PTG award	7,466.47	3,000	7,338.93	7,069.41
4-04145011 *	M&R best pap AWD	9,081.55	14,306.12	20,788.49	20,025.07
4-04145012 *	MNS Award	1,779.97	3,075.95	4,469.74	4,305.60
4-04145061	DAC Young Invest. Award		15,000	16,558.76	15,950.69
4-04145062	DTM Best Paper Award		10,000	11,827.67	11,393.34
4-04145063	MNS Innovator Award		3,000	3,548.30	3,418.00
4-04145064	MESA				5,494.97

* Established in August 2007

**Revenue from the 2009 IDETC -
Based on Deposited Amount and Dolan numbers**

DATE	ACT#	DIV/TC	Erin's Number	Deposits	D/E
MARCH	5048	AVTT	1780.42	1745.23	0.980235
MARCH	5023	DAC	7490.04	7342	0.980235
MARCH	5038	DEC	2087.39	2046.13	0.980234
MARCH	5035	DFMLC	2148.78	2106.31	0.980235
MARCH	5036	DTM	3131.08	3069.2	0.980237
MARCH	5034	MECH	8410.94	8244.7	0.980235
MARCH	5060	MNS	3990.59	3911.72	0.980236
MARCH	5050	MSNDC	14366.14	14082.19	0.980235
MARCH	5042	PTG	2148.78	2106.31	0.980235
MARCH	5037	RSAFP	1657.63	1624.87	0.980237
MARCH	5064	MESA	5095.68	5095.68	1.000000
MARCH	5041	VIB	10682.51	10471.37	0.980235
total amount for all TC			62989.98	61845.71	
FEB	414-0000	DED	62989.99	46102.9	0.731908

2009 IDETC / CIE The following information is provided by Ms. Dolan					
TOTAL CONFERENCE SURPLUS	\$147,345.00				GL#
CIE SURPLUS	\$21,365.03				4-0432-0000
IDETC SURPLUS	\$125,979.98				
DED DIVISION	\$62,989.99				4-0414-0000
DED SUB ACCOUNTS	\$62,989.99				
	PAPERS	% including CIE	% of IDETC only Papers		
AVTT	29	2.42%	2.83%	\$1,780.42	4-0414-5048
DAC	122	10.17%	11.89%	\$7,490.04	4-0414-5032
DEC	34	2.83%	3.31%	\$2,087.39	4-0414-5038
DFMLC	35	2.92%	3.41%	\$2,148.78	4-0414-5035
DTM	51	4.25%	4.97%	\$3,131.08	4-0414-5036
MECH	137	11.42%	13.35%	\$8,410.94	4-0414-5034
MESA	83	6.92%	8.09%	\$5,095.68	4-0414-5064
MNS	65	5.42%	6.34%	\$3,990.59	4-0414-5060
MSNDC	234	19.50%	22.81%	\$14,366.14	4-0414-5050
PTG	35	2.92%	3.41%	\$2,148.78	4-0414-5042
RSAFP	27	2.25%	2.63%	\$1,657.63	4-0414-5037
VIB	174	14.50%	16.96%	\$10,682.51	4-0414-5041
CIE	174	14.50%			
	1200	100.00%	100.00%	\$62,989.99	

DED Transaction/Transferred during July 2009 to July 2010

Job #	Date Received	Custodial Account	Invoice #	Amount	Approved	Date Approved	Remarks
89	8/11/2009	404-14-5007-9924	DED/TCVS	\$500.00	Yes	8/20/2009	
90	8/11/2009	404-14-5004-9924	DED/TCVS	\$500.00	Yes	8/20/2009	
91	8/11/2009	404-14-5053-9924	DED/MNSD	\$1,000.00	Yes	8/20/2009	
92	8/11/2009	404-14-5054-9924	DED/MNSD	\$1,000.00	Yes	8/20/2009	
93	8/11/2009	404-14-5060-9924	DED/MNS TC	\$500.00	Yes	8/20/2009	
94	8/11/2009	404-14-5012-9924	DED/MNS TC	\$500.00	Yes	8/20/2009	
95	8/11/2009	404-14-5061-9924	DED/DAC	1,000.00	Yes	8/20/2009	
96	8/11/2009	404-14-5032-9924	DED/DAC	1,000.00	Yes	8/20/2009	
97	8/20/2009	404-14-5009-9924	DED/Mech & Robotics	1,000.00	Yes	8/20/2009	
98	8/20/2009	404-14-5006-9924	DED/Mech & Robotics	1,500.00	Yes	8/20/2009	
99	8/20/2009	404-14-5034-9924	DED/Mech & Robotics	1,000.00	Yes	8/20/2009	
100	8/20/2009	404-14-5034-9924	DED/Mech & Robotics	1,000.00	Yes	8/20/2009	
101	8/20/2009	404-14-5034-9924	DED/Mech & Robotics	250.00	Yes	8/20/2009	
102	8/20/2009	404-14-5034-9924	DED/Mech & Robotics	250.00	Yes	8/20/2009	
103	8/20/2009	404-14-5034-9924	DED/Mech & Robotics	1,000.00	Yes	8/20/2009	
104	8/24/2009	404-14-5064-9924	DED/MESA	1,500.00		8/26/2009	Contingent upon approval of Ahmed Shabana
105	8/25/2009	404-14-5064-9924	DED/MESA	350.00	Yes	8/26/2009	
106	8/26/2009	404-14-5001-9924	DED/DAC	2,500.00	Yes	8/26/2009	
107	Void						
108	Void						
109	9/23/2009	404-14-0000-6101	DED/ travel expense	4,264.48	yes	9/19/2009	travel expense for Jane Tucker 09 IDETC
110	9/15/2009	404-14-0000-5702	DED/ travel expense	4,054.20	yes	9/19/2009	travel expense for Barbara Butterfield 09 IDETC
111	9/23/2009	404-14-0000-6101	DED/travel expense	997.41	yes	9/19/2009	Stewart Coulter-DAC Keynote Speaker 09IDETC
112	9/23/2009	404-14-5009-9924	DED/Honor Yankg Award	500.00	yes	9/19/2009	2 (250) to Kenneth Currie and Changyu Xue
113	9/20/2009	404-14-0000-5702	DED/Sheridan Printing , INC.	9,920.41	yes	9/19/2009	8 pg newsletter, postage and shipping
114							
115	11/24/2009	404-14-5002-9924	DED/	796.16	yes	11/24/2009	Abbott award glass status
116	10/8/2009	404-14-5038-9924	DEC/Student Competition	3,250	yes	10/29/2009	
117	10/8/2009	404-14-5038-9924	DEC/Student Competition	1,300	yes	10/29/2009	
118	10/8/2009	404-14-5038-9924	DEC/Student Competition	1,000	yes	10/29/2009	
118	11/11/2009	404-14-5002-4790	to DEC	1,350	NO	11/11/2009	Not approved, old Job number was used before

Job #	Date Received	Custodial Account	Invoice #	Amount	Approved	Date Approved	Remarks
119	11/11/2009	404-14-5002-4790	Abbott award	1,000	yes	11/11/2009	
120	11/24/2009	404-14-0000-4790	DED to DEC	1350	yes	11/24/2009	transferred to the DEC from DED
121	12/9/2009	404-14-5002-9924	DED/Invoice	410.41	yes	12/9/2009	Invoice Abbott award glass
122	1/10/2010	404-14-5034-9924	DED/Mechanism	1,750	Yes	1/11/2010	IDETC 2009 student awards/Mechanism and Robotics; Payees: Cassandra Niebel, Kevin Ma, Rupesh S. Baker, Mohammed Ahmed Nasr, Amos Winter, Eric Stratton, Andrew Rau, Mojtaba Azadi, Colin Smith, Torrey Frank, Aaron Hoover and Amos Winter
123	Void						
124	2/5/2010	404-14-5004-9924		40,000			TCVS to endow the Den Hartog Division Level Award to the ASME Society level Award.
125		404-14-5050-9924		500			The MSND Committee rewards recipients Hammad Mazhar-1st Place \$250, Todd D. Lillian – 2nd Place \$150, and Amit P. Gabale - 3rdPlace \$100 for the ASME-2009 IMSNDC STUDENT PAPER CONTEST
126		404-14-0000-6411		250			Creation of the digital file for the DED Summer Newsletter Payee: Susan P. Huggins and Company

Past Chair Report

I had the honor to serve as the Chair of the ASME design Engineering Division (DED) last year (July 1, 2009 – June 30, 2010). DED remains the largest ASME division, and it continues to have a large number of active technical committees that sponsor several conferences and journals. DED operations are managed by its Executive Committee. I was very fortunate to have the opportunity to work with excellent group of dedicated colleagues who have been very helpful and supportive. Two new voting member positions (chairs of the DED Publication Committee and the DED Honors and Awards Committee) were added to the DED Executive Committee starting July 1, 2009. The DED finances are still in good shape despite the bad economic situation. Award matching funds approved by DED have been allocated to the DED technical committee accounts. Three new awards were established by the technical committees this year.

The International Design Engineering Technical Conference (IDETC), held in August/September 2009, was very successful. The conference had 13 sub-conferences and attracted approximately 1200 papers from academia, industry, and government. The conference was co-chaired by **Kurt Anderson** (RPI) and **George Flowers** (Auburn). The Program Co-Chairs were **Harry Dankowicz** (UIUC) and **Dan Quinn** (Akron). The conference had 1315 attendees including 476 students. At the 2009 IDETC, DED and the National Science Foundation supported a workshop for women and minorities; the event was very successful. This workshop was organized by **Judy Vance** (Iowa State) and **Janis Terpenney** (VPI). The 2009 IDETC/CIE generated net surplus of \$147,345. Based on the number of papers in the sub-conferences sponsored by the technical committees; 50% of the DED share, \$125,979.98, was distributed among the DED technical committees. DED continued active participation in the 2009 ASME International Mechanical Engineering Congress and Exposition (IMECE) held in Lake Buena Vista, Florida during the period November 13 - 19, 2009. DED volunteers who served as track chairs and co-chairs, and session and symposium organizers contributed to the success of the 2009 IMECE. DED sponsored IMECE tracks, symposia and sessions related to design engineering. The 2010 IDETC to be held in Montreal, Canada has received a record number of abstract submissions for the even year IDETC conferences. The 2011 IDETC/CIE will be held in Washington, D.C., the 2012 IDETC will be held in Chicago, Illinois. The DED Executive Committee approved the proposal submitted by Harry Dankowicz and Dan Quinn to organize the 2013 IDETC. DED approved a proposal to reorganize IDETC, allowing the conference organizers to have a 5- day conference instead of 3-day conference. Some DED groups will have their conferences during the first two and half days while other groups will have their conferences during the last two and half days. Wednesday will be used for the Honors and Awards Lunch, receptions, and other major activities that can be of interest to all DED groups. **Vijay Kumar** (UPenn) drafted a proposal for the IDETC reorganization which was discussed by the members of the DED Executive Committee. DED also continued to co-sponsor conference that foster multi-disciplinary activities including the *ASME 2010 World Conference on Innovative Virtual Reality* held in Ames, Iowa during the period May 12 – 14, 2010. This conference was chaired by Professors **James H. Oliver** and **Judy M. Vance** of Iowa State University. In order to further strengthen the even year IDETC/CIE, DED approved establishing the **Dynamic for Design Conference (DFD)** that will be part of the even year IDETC/CIE. This conference will be jointly sponsored by the DED Technical Committee on Vibration and Sound and the DED Technical Committee on Multibody Systems and Nonlinear Dynamics. This new

conference will ensure that the even year IDETC/CIE will have the same level of attendance and profitability as the odd year conferences.

DED currently has 13 active Technical Committees (TC). Most of these committees have established their bylaws and operating guidelines. Requests for change in the leadership of these committees were approved by the DED Executive Committee. I would like to welcome the new TC chairs and thank the past chairs for their efforts which are very much appreciated by the DED community. Because of the DED rapid growth and the number of conferences and journals sponsored by the division, I prepared a draft of a proposal to establish the DED **Technical Groups (clusters)** in order to facilitate communications between the DED Executive Committee and the DED technical committees. This proposal was discussed, and I hope to see it implemented in the future in order to be able to more efficiently manage the division. I appreciate the constructive comments and feedback received from the DED community on this proposal.

DED continued to fully sponsor four ASME journals; *Mechanical Design, Vibration and Acoustics* (JVA), *Mechanisms and Robotics*, and *Computational and Nonlinear Dynamics* (CND). The division also co-sponsors two ASME journals; *Computing and Information Science in Engineering* (JCISE), and *Medical Devices*, which are co-sponsored, respectively, with the Division of Computer and Information in Engineering and the Bio-Engineering Division. **Kon-Well Wang** (UM) ended his term as the Editor-in-Chief (EIC) of JVA on December 31, 2009. Kon-Well did an excellent job and provided the leadership required for increasing the visibility and standing of JVA. **Noel Perkins** (UM) was appointed as the new EIC. **Jami Shah** (ASU) and **Subhash Sinha** (Auburn) end their term this year as the EIC of JCISE and CND, respectively. They are the founding editors of these two journals and provided the leadership required to establish them as successful ASME journals. Their efforts and dedicated service are very much appreciated. Several new Associate Editors of DED journals were appointed and several others were reappointed during the past year. **Kurt Anderson** prepared guidelines for turnover of DED journal Editor-in-Chief (EIC). These guidelines were approved by the DED Executive Committee.

After receiving feedback from the Honors and Awards Committee members and the Executive Committee, **Georges Fadel** (Clemson) prepared guidelines and recommendations for award honorarium. These guidelines and recommendations were sent to the TC chairs for their comments. New members were elected to fill the vacant positions in several DED award committees. Several nominations were made for DED Awards this year, and the recipients of these awards were selected. The DED Technical Committee on Vibration and Sound (TCVS) voted to elevate the Den Hartog Award to be a Society Award. DED submitted the request to ASME for approval of the Den Hartog Award as a Society Award. The request of the Design Automation Committee to have the DAC Award as a Division/Committee Award was approved. Because of DED continues to remain financially healthy, DED continued the Award Matching Program by matching up to \$5000/award with maximum of two awards/committee. This matching program has helped in building solid endowments for the Division/Committee Awards and has helped in elevating some DED awards to the society level.

Sunil Agrawal (UDel) was elected as the incoming DED Secretary. Sunil has an outstanding record of service to the DED community. He served as the M & R chair and also as chair of the M & R conference. I would like to thank the DED Nominating Committee members **Kazem Kazerounian** (UConn, Chair), **Kazuhiro Saitou** (UM), **Subhash Sinha** (Auburn), and **Judy Vance** (Iowa State) for their efforts in identifying qualified candidates for the DED Secretary.

I would like to thank **Kazem Kazerounian** (Uconn), past DED chair, and **Hamid Hamidzadeh** (TnState), DED Vice Chair/Treasurer, for their help, advice and support during this past year. I was fortunate to work with dedicated members of the DED Executive Committee who have been very supportive; I would like to thank **William W. (Buddy) Clark** (Pitt), **Vijay Kumar** (UPenn), **Wei Chen** (Northwestern), **Georges Fadel** (Clemson), and **Kurt Anderson** (RPI). I very much appreciate their support and cooperation. I would also like to thank the ASME staff **LaShion Pettiford**, **Erin Dolan**, and **Richard Ulvila**, for supporting our division during the past year.

Finally, I would like to thank all the division members for their contributions and active participation as DED members; authors; members of DED technical and award committees; IDETC and IMECE track, session, and symposium organizers; associate editors of DED ASME journals; reviewers for journal and conference papers; and members of the special and standing committees. This active participation will ensure that our division will remain strong and will continue to contribute to our society.

Ahmed A. Shabana
DED Past Chair

ASME INTERNATIONAL

2010 DETC & CIE CONFERENCES

STATUS REPORT TO THE
DESIGN ENGINEERING DIVISION

Pierre Larochelle, Conference Chair

Andrew Murray, Program Chair

FRIDAY, JULY 09, 2010

2010 ASME DETC & CIE Conferences

STATUS REPORT

SUMMARY

The 2010 ASME International DETC & CIE Conferences will take place in Montréal, Quebec (Canada) August 15th – 18th of 2010. All technical sessions and meetings 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)

12th International Conference on Advanced Vehicle and Tire Technologies (AVTT)

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

4th International Conference on Micro- and Nanosystems (MNS)

Special Conference on Mechanical Vibration and Noise (VIB)

CONFERENCE PAPERS

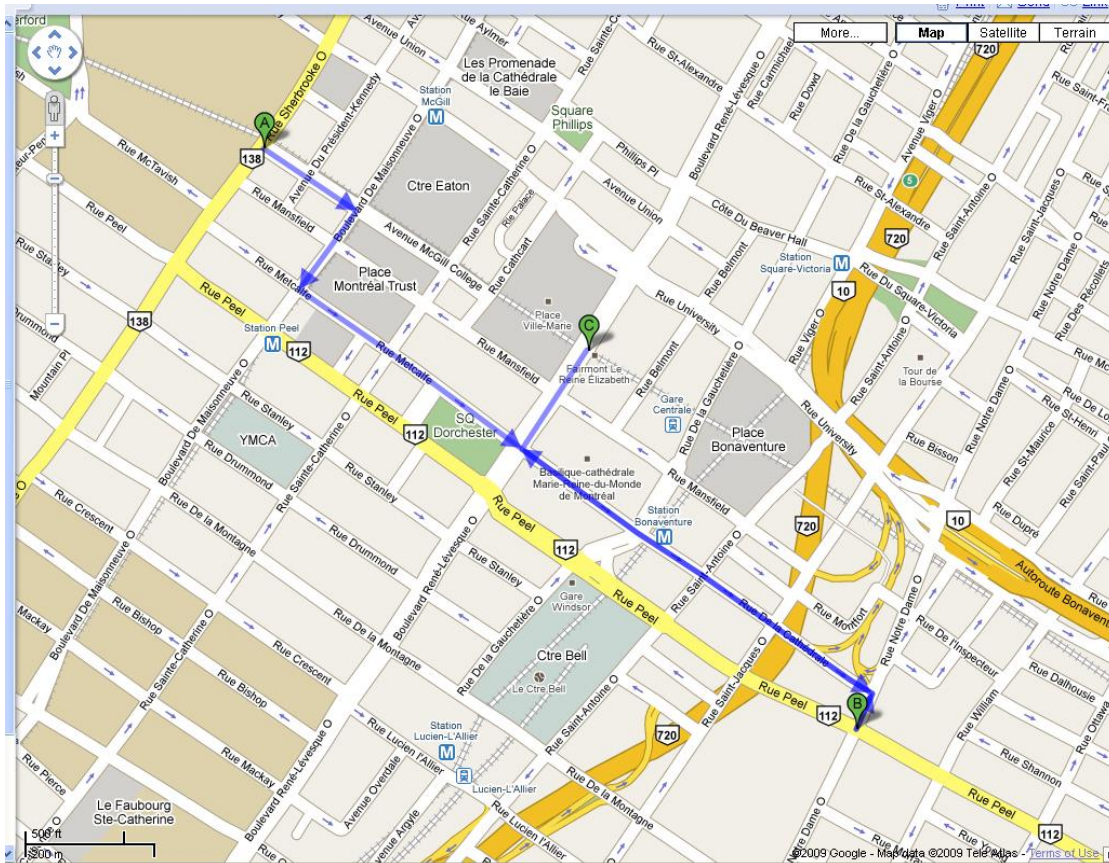
The conference has attracted a large number of technical publications. More than 959 abstracts and 899 draft papers were submitted for peer review. Based upon the reviews, conference organizers accepted 740 papers and rejected 159 others.

SPECIAL EVENTS

The conference reception will take place Monday evening at the historic Marche Bonsecours (Bonsecours Market). The Bonsecours Market is located in the heart of Montreal, right next to the St. Lawrence River, Old Port and some of Old Montreal's most striking historic landmarks. This venue is considered one of the finest heritage buildings in Canada. Attendees will take a short bus ride to Old Montreal to enjoy traditional Canadian hors d'oeuvres and drinks at the Market. All will then have the opportunity to walk around the city and enjoy the views and culture before returning to the hotel for the evening.

A tour of the local headquarters of the Canadian Space agency has been scheduled for Wednesday morning. The tour guides are scientists, engineers and communicators who are passionate about what Canada is doing in space. Visitors will have a chance to see full-size and scale models of various projects, their mission control centre and robotics training simulator, some of the CSA's current R&D projects, and more.

Through the efforts of the local arrangements Co-Chairs, Sunday afternoon lab tours at École de Technologie Supérieur and McGill University have been organized. In addition, an opening reception at McGill University has been arranged as well. Bussing has been arranged for the attendees, however, both campuses are about a ten minute walk from the Queen Elizabeth Hotel. See the map below in which **A** indicates McGill University, **B** indicates the École de Technologie Supérieur, and **C** the Conference Hotel.



FINANCIALS

The conference budget was based upon 550 attendees. With the large number of papers this year (740) the conference is on track to meet or exceed the revenue projections.

SCHEDULING

The Conference will take place on Sunday thru Wednesday the 15th thru 18th of August 2010. The traditional DETC & CIE schedule will be used. Sunday's activities will include workshops, tutorials, a few technical meetings and sessions, and an informal reception in the evening at McGill University. Monday's activities will include technical sessions and the evening will consist of the main conference reception at the Marche Bonsecours. 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 hard at work to make this conference a success. They have exceeded every expectation in terms of effort, timeliness, and quality of their work. The individuals that have provided this invaluable service to our community include the following:

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

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 2010 IDETC/CIE)
August 15, 2010

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. We are hoping to finalize all organizational efforts in early fall 2010 in order to assure a perfect execution in 2010 and 2011.

The official conference website is scheduled to go live soon (the website request form has been submitted in late April 2010). The budget has been completed, finalized and is being approved. All local arrangements, conferences and organizational efforts are being actively pursued and will be finalized soon. A visit to see the site is being scheduled to occur in late summer or early fall. 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, Northeastern University

Conference Technical Program Co-Chairs:

- Dr. Olivier Bauchau, Georgia Institute of Technology
- Dr. Bogdan Epureanu, University of Michigan

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

We hope to see you all in Washington DC in August 2011!

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

Organizational Status of 2012 ASME International Design Engineering Technical Conferences and Computers in Engineering Conference (2012 IDETC/CIE)

Report to the ASME Design Engineering Division (DED)

July 20, 2010

Mike Stanisc, Conference Chair
University of Notre Dame

Jim Schmiedeler, Program Chair
University of Notre Dame

The host city for the 2012 ASME IDETC/CIE is Chicago, Illinois. Chicago has 2 major international airports, both serviced by the trains of the Chicago Transit Authority, so travel to and from the conference venue downtown will be easy and affordable.

Part 1 of the CA1 has been submitted. Part 2 is in preparation and will be submitted prior to or shortly after the 2010 IDETC/CIE.

The target start date for the conference is Monday August 6, 2012, with a backup start date of Monday, August 13, 2012.

The target conference venues, all located in the middle of “The Loop” in downtown Chicago, in order of the organizers’ preference (pending room rate information) are:

1. The Palmer House Hilton (site of the 1990 DETC, one block from Millennium Park and the Chicago Art Institute) has 71 meeting rooms.
2. The Chicago Downtown Marriot Magnificent Mile (site of the 2003 IDETC/CIE, located directly on Michigan Avenue, which is the main thoroughfare through downtown Chicago) has 57 meeting rooms.
3. The Hyatt Regency (located on the Chicago River) has 30 meeting rooms

The 2012 IDETC/CIE will mark the first implementation of the DED’s spring 2010 recommendation to expand the conference from 4 days (1 day of workshops/tutorials on a Sunday + 3 days of technical sessions Monday through Wednesday) to 5 days (Monday through Friday). This expansion coincides with the addition of several participating conferences that had previously been held on a biennial basis in only odd years. The following conferences will be participating in 2012:

DTM	International Conference on Design Theory and Methodology
DFMLC	Design for Manufacturing and the Life Cycle Conference
DAC	Design Automation Conference
DEC	Symposium on International Design and Design Education
MR	Annual Mechanisms and Robotics Conference
MNS	International Conference on Micro- and Nanosystems
PTG	International Power Transmission and Gearing Conference
MESA	ASME/IEEE International Conference on Mechatronic and Embedded Systems

and Applications

AVTT	International Conference on Advanced Vehicle and Tire Technologies
RSAFP	Reliability, Stress Analysis and Failure Prevention Conference
CIE	Computers and Information in Engineering Conference
MSNDC	Conference on Multibody Systems, Nonlinear Dynamics, and Control
VIB	Conference on Mechanical Vibration and Noise
DFD	Biennial International Conference on Dynamics for Design

We propose the preliminary schedule for the 5-day conference found on the following page. This schedule differs from the original proposal to the DED in a number of significant ways, which result in both advantages and disadvantages. (We strongly believe that the advantages outweigh the disadvantages.) First, the IDETC/CIE is only coarsely divided into two groups, one meeting during the first half of the week and the other during the second half of the week. There is not a perfect break between the two, as there was in the original proposal, because some of the early conferences end after the start of the later conferences. Second, Wednesday is not exclusively reserved for workshops, tutorials, and the DED meetings. Instead, a subset of the participating conferences will hold technical sessions in parallel with the workshops/tutorials affiliated with other participating conferences as well as the DED meetings. Third, the number of parallel tracks in the preliminary schedule is 18, which is larger than the original proposed maximum of 15. It does not appear possible to constrain the number of parallel sessions to 15 without reducing the number of accepted papers or reducing the presentation time. Correspondingly, the fourth difference is that none of the participating conferences experience a reduction in the total number of allocated sessions (per available historical data) or a reduction in the presentation time. The original proposal advised limiting conferences to two days and where necessary, reducing presentation time from 18 to 15 minutes, which would have altered the traditional characteristics of some participating conferences.

Note that no additional sessions have been allocated to the new DFD conference. As the inaugural conference is scheduled for 2012, the organizers have no historical data from which to estimate the expected number of papers. Since DFD is evolving from the communities that sponsor the VIB and MSNDC conferences, however, the organizers envision that some of the 108 sessions allocated to these two participating conferences might be transferred to DFD.

Perceived Advantages:

1. *Alignment with proposed DED clusters* - The participating conferences coarsely grouped together on Monday, Tuesday, and Wednesday directly align with the DED proposed (but not approved) clusters of Design Methods (DAC, DTM, DFMLC, DEC) and Design of Mechanical Systems (MR, PTG, MESA, MNS). The conferences coarsely grouped together on Wednesday, Thursday and Friday directly align with the proposed Design and Applied Mechanics cluster (AVTT, RSAFP, MSNDC, VIB), with the addition of CIE.

2. *IDETC/CIE venue availability* - This arrangement requires a maximum of 18 meeting rooms for technical sessions (the same number as in the nearly traditional even-year 2010 IDETC/CIE in Montreal). For 2012 and future years, this is a size that can be accommodated by a large number of hotels, so more options become available for the venue.

	Rm 1	Rm 2	Rm 3	Rm 4	Rm 5	Rm 6	Rm 7	Rm 8	Rm 9	Rm 10	Rm 11	Rm 12	13	Rm 14	Rm 15	Rm 16	17	18		
M 1	DTM 1	DFM 1	DAC 1	DAC 2	DAC 3	DEC 1	MR 1	MR 2	MR 3	MR 4	MNS 1	MNS 2	PTG 1	MES 1	MES 2	MES 3				
M 2	DTM 2	DFM 2	DAC 4	DAC 5	DAC 6	DEC 2	MR 5	MR 6	MR 7	MR 8	MNS 3	MNS 4	PTG 2	MES 4	MES 5	MES 6				
M 3	DTM 3	DFM 3	DAC 7	DAC 8	DAC 9	DEC 3	MR 9	MR 10	MR 11	MR 12	MNS 5	MNS 6	PTG 3	MES 7	MES 8	MES 9				
M 4	DTM 4	DFM 4	DAC 10	DAC 11	DAC 12	DEC 4	MR 13	MR 14	MR 15	MR 16	MNS 7	MNS 8	PTG 4	MES 10	MES 11	MES 12				
T 1	DTM 5	DFM 5	DAC 13	DAC 14	DAC 15	DEC 5	MR 17	MR 18	MR 19	MR 20	MNS 9	MNS 10	PTG 5	MES 13	MES 14	MES 15				
T 2	DTM 6	DFM 6	DAC 16	DAC 17	DAC 18	DEC 6	MR 21	MR 22	MR 23	MR 24	MNS 11	MNS 12	PTG 6	MES 16	MES 17	MES 18				
T 3	DTM 7	DFM 7	DAC 19	DAC 20	DAC 21	DEC 7	MR 25	MR 26	MR 27	MR 28	MNS 13	MNS 14	PTG 7	MES 19	MES 20	MES 21				
T 4	DTM 8	DFM 8	DAC 22	DAC 23	DAC 24	DEC 8	MR 29	MR 30	MR 31	MR 32	MNS 15	MNS 16	PTG 8	MES 22	MES 23	MES 24				
W 1	DTM 9	DFM 9	DAC 25	DAC 26	DAC 27	DEC 9	MR 33	MR 34	MR 35	MR 36	14 half day tutorials/workshops									
W 2	DTM 10	DFM 10	DAC 28	DAC 29	DAC 30	DEC 10	MR 37	MR 38	MR 39	MR 40										
W 3	DTM 11	DFM 11	CIE 1	CIE 2	CIE 3	CIE 4	MSN 1	MSN 2	MSN 3	MSN 4									MSN 5	MSN 6
W 4	DTM 12	DFM 12	CIE 5	CIE 6	CIE 7	CIE 8	MSN 7	MSN 8	MSN 9	MSN 10									MSN 11	MSN 12
H 1	AVT 1	RSA 1	CIE 9	CIE 10	CIE 11	CIE 12	MSN 13	MSN 14	MSN 15	MSN 16	MSN 17	MSN 18	VIB 1	VIB 2	VIB 3	VIB 4	VIB 5	VIB 6		
H 2	AVT 2	RSA 2	CIE 13	CIE 14	CIE 15	CIE 16	MSN 19	MSN 20	MSN 21	MSN 22	MSN 23	MSN 24	VIB 7	VIB 8	VIB 9	VIB 10	VIB 11	VIB 12		
H 3	AVT 3	RSA 3	CIE 17	CIE 18	CIE 19	CIE 20	MSN 25	MSN 26	MSN 27	MSN 28	MSN 29	MSN 30	VIB 13	VIB 14	VIB 15	VIB 16	VIB 17	VIB 18		
H 4	AVT 4	RSA 4	CIE 21	CIE 22	CIE 23	CIE 24	MSN 31	MSN 32	MSN 33	MSN 34	MSN 35	MSN 36	VIB 19	VIB 20	VIB 21	VIB 22	VIB 23	VIB 24		
F 1	AVT 5	RSA 5	CIE 25	CIE 26	CIE 27	CIE 28	MSN 37	MSN 38	MSN 39	MSN 40	MSN 41	MSN 42	VIB 25	VIB 26	VIB 27	VIB 28	VIB 29	VIB 30		
F 2	AVT 6	RSA 6	CIE 29	CIE 30	CIE 31	CIE 32	MSN 43	MSN 44	MSN 45	MSN 46	MSN 47	MSN 48	VIB 31	VIB 32	VIB 33	VIB 34	VIB 35	VIB 36		
F 3	AVT 7	RSA 7	CIE 33	CIE 34	CIE 35	CIE 36	MSN 49	MSN 50	MSN 51	MSN 52	MSN 53	MSN 54	VIB 37	VIB 38	VIB 39	VIB 40	VIB 41	VIB 42		
F 4	AVT 8	RSA 8	CIE 37	CIE 38	CIE 39	CIE 40	MSN 55	MSN 56	MSN 57	MSN 58	MSN 59	MSN 60	VIB 43	VIB 44	VIB 45	VIB 46	VIB 47	VIB 48		

Very unofficial history of number of sessions (and maximum in parallel.)

ABBR	Conference	Sessions/Parallels	2010	2009	2008	2007	2006	2005	2004
DTM	Design Theory & Methodology	12 sessions, single track	11(1)	12(1)	12(1)	?	12(1)	12(1)	10(1)
DFM	Design for Manufacturing & the Life Cycle	12 sessions, single track	13(1)	10(1)	8(1)	?	8(1)	9(1)	11(1)
DAC	Design Automation	30 sessions, 3 in parallel	24(3)	31(3)	30(3)	?	27(3)	30(3)	26(3)
DEC	Design Education	10 sessions, single track	10(1)	11(1)	9(1)	?	10(1)	-	-
MR	Mechanisms & Robotics	40 sessions, 4 in parallel	50(6)	35(4)	43(4)	?	35(3)	27(3)	34(4)
MNS	Micro/Nano-Systems	16 sessions, 2 in parallel	13(2)	17(2)	14(2)	?	-	-	-
PTG	Power Transmission & Gearing	8 sessions, single track	-	8(1)	-	?	-	8(1)	-
MES	Mechanronic & Embedded Systems	24 sessions, 3 in parallel	-	23(3)	-	?	-	-	-
AVT	Advanced Vehicle & Tire Technologies	8 sessions, single track	-	6(1)	-	?	-	-	-
RSA	Reliability, Stress Analysis, & Failure	8 sessions, single track	-	6(1)	-	?	-	5(1)	-
CIE	Computers in Engineering	40 sessions, 4 in parallel	39(4)	40(4)	31(4)	?	25(3)	29(3)	32(3)
MSN	Multibody Systems & Nonlinear Dynamics	60 sessions, 6 in parallel	-	58(7)	-	?	-	65(5)	-
VIB	Vibration & Noise	48 sessions, 6 in parallel	11(2)	44(6)	-	?	-	68(7)	-

3. *Retained historical characteristics of participating conferences* - Referring to recent history, all single-track conferences remain single track. No participating conference experiences an increase in the number of parallel sessions, nor a decrease in the overall number of sessions. As such, presentation times can remain 18 minutes.

4. *Scheduling of lunches, technical committee meetings, and conference reception* - If so desired, every participating conference could hold its own luncheon, and there would still be only 3 luncheons per day:

Monday: DAC, DEC, MNS

Tuesday: MR, PTG, MESA

Wednesday: DTM, DFMLC, DED

Thursday: AVTT, RSAFP, CIE

Friday: MSNDC, VIB

Similarly, with every participating conference holding a committee meeting in the evening, a maximum of 5 committee meetings would take place on any one day, and the conference reception for all participants could be held Wednesday evening:

Monday: DTM, DEC, MR, MESA

Tuesday: DFMLC, DAC, MNS, PTG

Wednesday: Conference reception

Thursday: AVTT, RSAFP, CIE, MSNDC, VIB

Friday: no committee meetings

Perceived disadvantages:

1. *Reduced workshop/tutorial allocations* – Without allowing a full day for workshops and tutorials, fewer such events can be accommodated. With the proposed preliminary schedule, 14 half-day workshop/tutorial slots are available, which could be arranged as 2 half-day slots and 6 full-day slots, or something in between. The organizers see this as a minor disadvantage because the number of workshops/tutorials has historically been small (11 in 2010, 8 in 2009, 9 in 2008). Additional rooms would be required to accommodate workshops/tutorials from the DTM and DFMLC conferences since these two conferences run Monday through Wednesday evening. Similarly, the conferences that last 2.5 days (DAC, MR, CIE, MSNDC) only have the opportunity to hold half-day workshops/tutorials. Again, the organizers view this as a minor disadvantage.

2. *DED meeting conflicts* – Instead of only conflicting with the workshops/tutorials in the current IDETC/CIE model, the DED meetings will conflict with technical sessions from a subset of the participating conferences and the workshops/tutorials. As the participants in these DED meetings typically experience conflicts with many of the technical sessions arising from other meetings anyway, the organizers feel that this does not represent a dramatic practical change to the schedule.

3. *Shift in alignment of PTG and CIE* – Traditionally, PTG has been held in parallel with all of the conferences in the Wednesday through Friday group and CIE has been held in parallel with all of the conferences in the Monday through Wednesday group. The proposed preliminary schedule would shift the alignments of these two conferences. The organizers believe that some of the conferences must shift to make the 5-day model work, and this appears to be the scenario with the smallest impact IDETC/CIE-wide in that regard.

2013 IDETC/CIE

A proposal to organize the 2013 IDETC/CIE was submitted by Harry Dankowicz and Dane Quinn in February 2010 and subsequently approved by the DED Executive Committee. A number of candidate cities were detailed in the proposal, including Seattle, Denver, Kansas City, Memphis, and Anaheim. Discussions are underway with Erin Dolan at ASME regarding the request-for-proposals process and the selection of the final venue.

Best,

Harry

Harry Dankowicz
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College of Engineering Calculus Project Coordinator
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2014 International Design Engineering Technical Conferences Buffalo, NY

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

The Buffalo-Niagara Convention Center is located in downtown Buffalo – a city with dynamic theater, charming restaurants, extraordinary architecture, cutting edge arts, major league sports, great shopping and non-stop nightlife in addition to being only 20 minutes from the world-famous Niagara Falls. With over 110,000 sq. ft. of space (including a 64,410 sq. ft. Exhibit Hall) can accommodate many banquet and meeting space configurations <http://www.buffaloconvention.com/>

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 BUF: \$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.

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

- **Change of the Committee Chairs:** Changes in committee leadership this year are as follows (effective July 1st 2010):

Approved

1. Design Automation Committee (DAC): Kazuhiro Saito is replaced by Zissimos Mourelatos of Oakland University.
2. Design for Manufacturing and the Life Cycle Committee (DFMLC): Peter Sandborn is replaced by Kazuhiro Saito of the University of Michigan.
3. Vibration and Sound (TCVS): Chris Rahn is replaced by Brain Feeny of Michigan State University.

To be approved in the DED executive committee meeting (August 15, 2010)

4. Design Education Committee (DEC): Gul Kremer is replaced by Jeffrey Mountain of the University of Texas at Tyler.
5. Fastening and Joining (FJ): Endel Iarve is replaced by Timothy Breitzman of Air Force Research Laboratory.
6. Mechanisms and Robotics (M&R): Jahangir Rastegar by Jeffrey Ge of Stony Brook University.
7. Mechatronic and Embedded Systems and Applications (MESA): Yangquan Chen by Primo Zingaretti of Universita Politecnica delle Marche.
8. Micro & Nano Systems (MNS): Arvind Raman by Gloria Wiens of the University of Florida at Gainesville.

No Change

9. Design Theory and Methodology (DTM): Li Shu of University of Toronto.
10. Multibody Systems and Nonlinear Dynamics (MSND): Balakumar Balachandran of University of Maryland.
11. Power Transmission and Gearing (PTG): Avinash Singh of General Motors
12. Reliability, Stress Analysis and Failure Prevention (RSAFP): Toshiyuki Sawa, of Hiroshima University.
13. Vehicle Design: Brian Gilmore of John Deere.

- **Matching Funds to Committee Award Accounts:** The Executive Committee approved matching of up to \$5,000 to two award accounts (for a total of \$10,000 in matching funds). The table below shows the matching funds that were approved, by committee. The total award account allocation from this activity is \$97,674, with \$46,337 coming from the DED account.

Technical Committee Matching Fund Allocations
(Note: Account # 4-0414-0000 is the DED account)

	TC	From Account	To Account	Approved Allocation	Comments
1	TCVS	4-0414-5041 4-0414-0000	4-0414-5007 4-0414-5007	\$5,000 \$5,000	Total of \$10,000 transferred from the TCVS and DED accounts to the TCVS Myklestad Award .
2	DAC	4-0414-5032 4-0414-0000	4-0414-5061	\$3,000 \$3,000	Total of \$6,000 transferred from the DAC and DED accounts to the DAC Young Investigator Award .
3	DAC	4-0414-5032 4-0414-0000	4-0414-5001	\$4,342 \$4,342	This will put a total of \$8,684 in the DAC Award account .
4	MSND	4-0414-5050 4-0414-0000	4-0414-5054 4-0414-5054	\$4,000 \$4,000	Total of \$8,000 transferred from the MSND and DED accounts to the Lyapunov Award account (limited by the \$45K ceiling – account currently has \$37K).
5	MSND	4-0414-5050 4-0414-0000	4-0414-5053 4-0414-5053	\$4,000 \$4,000	Total of \$8,000 transferred from the MSND and DED accounts to the D’Alembert Award account (limited by the \$45K ceiling – account currently has \$37K).
6	DTM	4-0414-5036 4-0414-0000	4-0414-5008 4-0414-5008	\$5,000 \$5,000	Total of \$10,000 transferred from the DTM and DED accounts to the DTM Committee Award .
8	M&R	4-0414-5034 4-0414-0000	4-0414-5006 4-0414-5006	\$5,000 \$5,000	Total of \$10,000 transferred from the MR and DED accounts to the M&R Award
9	M&R	4-0414-5034 4-0414-0000	** **	\$5,000 \$5,000	Total of \$10,000 transferred from the MR and DED accounts to establish a new award account: the Freudenstein Young Investigator Award.‡
10	MESA	** (new account) 4-041400000	** **	\$4,995† \$4,995	Total of \$9,990 transferred from the MESA and DED accounts to establish a new award account: the MESA Awards .
11	PTG	4-0414-5042	4-0414-5010	\$4,000	Total of \$8,000 transferred

		4-0414-0000	4-0414-5010	\$4,000	from the PTG and DED accounts to the Darle Dudley Award account.
12	MNS	4-0414-5060 4-0414-0000	4-0414-5063 4-0414-5063	\$2,000 \$2,000	Total of \$4,000 transferred from the MNS and DED accounts to the MNS Innovator Award .
	Total	From TCs From DED		\$46,337 \$46,337	

‡The Freudenstein Young Investigator award was regularly funded by GM up until a few years ago, and M&R would like to establish a new account for this award to stabilize its funding.

†This is the current MESA account balance, so is all that is available to transfer to an award account.

Submitted by

William W. Clack (TC Chair till June 30, 2010)

Wei Chen (TC Chair beginning July 1st, 2010)

August 2010

IMECE Report

2010 IMECE

- **Location:** The 2010 IMECE will be held in Vancouver, British Columbia, from November 12-18.

- **Track Organizers:**

Track 4: Design and Manufacturing

Track Co-Organizer: Endel V Iarve, *Air Force Research Laboratory* (Technical Committee on Fastening and Joining)

Symposia: 16

Sessions:

Track 6 NanoEngineering for Energy

Track Co-Organizer: Hornsen (HS) TZOU, *Zhejiang University* (Technical Committee on Vibration and Sound)

Symposia: 11

Sessions:

Track 11: Dynamic Systems and Control

Track Organizer: Albert Luo, *Southern Illinois University Edwardsville* (Technical Committee on Vibration and Sound)

Track Co-Organizer: Liming Dai, *University of Regina* (Technical Committee on Vibration and Sound)

Symposia: 9

Sessions: 44

Topic Co-Organizer: Bogdan Epureanu, *University of Michigan* (Technical Committee on Multibody Systems and Nonlinear Dynamics)

Symposia: 11-6 & 11-7

Track 12: Mechanical of Solids, Structures, and Fluids

Track Co-Organizer: Larry Bergman, *University of Illinois*

Symposia: 41

Sessions:

Track 19: Transportation

Track Co-Organizer: Khaled Zaazaa, *Enasco, Inc.* (Technical Committee on Multibody Systems and Nonlinear Dynamics)

Symposia: 4

Sessions: 12

Submitted by

William W. Clack (TC Chair till June 30, 2010)

Wei Chen (TC Chair beginning July 1st, 2010)

August 2010

Publications Committee Report ASME Design Engineering Division July 2010

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 had been posed regarding this process, A guideline and associated timeline which formalizes the procedure was prepared, revised and accepted by the DED Executive committee in September 2009. This document is to be distributed to DED journal EICs a year in advance of the expiration of their terms, so that the guidelines, and timeline it provides may be followed in the nomination and selection of a new EIC..

Journal of Vibrations and Acoustics

On 12/31/2009 Konwell Wang's term as EIC expired. He was then replaced by Noel C. Perkins whose term will run from 1/1/2010 – 12/31/2014.

Journal Computational and Nonlinear Dynamics

On 12/31/2009 the EIC tem 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.

Journal of Computing and Information Science in Engineering (JCISE)

On 6/30/2010 Jami Shah's term as the journal EIC expired. He nominated Bahram Ravani as the new EIC. This recommendation was unanimously supported by the DED Executive Committee. This nomination has also been endorsed by the CIE Executive Committee. This nomination has now been forwarded to the Chair of the ASME Technical Publication Committee for approval. Three new members have been approved for the JCISE Advisory Board. These are:

Shapour Azarm replaces Bahram Ravani (DED seat 1)

Kurt Anderson replaces Alan Parkinson (DED seat 2)

Ravi Rangan replaces YongSe Kim (CIE-1)

All others remain unchanged.

As per rule, the Chair of the Advisory Board is rotated between CIE and DED. Since David Lee from CIE is the current Chair, the next one (starting after ASME DETC meeting) will be from DED. So Shapour Azarm and Kurt Anderson need to decide who wants to volunteer first (Kurt Anderson relinquishes this position to Shapour Azarm if Professor Azarm is willing to serve in this capacity).

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) will expire 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. We are still waiting for a formal reply regarding this from the Bioengineering Division.

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

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

Report for meeting of August 15, 2010
Montreal, Canada

1. This year, the committees that judged the awards and the new ones as of June 1 are:
 - Machine Design Award**
Panos Papalambros, Crispin Hales, Art Erdman, Jeffrey Ge, Gordon Kirk and Georges Fadel
As of June 1, 2010, the members of the committee (who also serve as general DED H&A committee) are: Panos Papalambros, Alex Slocum, Bahram Ravani, J. Michael McCarthy, Georges Fadel and Gordon Kirk
 - Ruth & Joel Spira Outstanding Educator Award**
Mike Keefe, Art Erdman, Gul Kremer, Judy Vance, Alexander Slocum, and Georges Fadel
The new committee as of June 1, 2010 is: Mike Keefe, Ken Wallace, Gary Kinzel, Gul Kremer, Judy Vance, and Georges Fadel
 - Leonardo DaVinci Award**
Steven Velinsky, Crispin Hales, Art Erdman, Jeffrey Ge, Gordon Kirk and Georges Fadel
As of June 1, 2010, the members of the committee are: Steven Velinsky, Joe Beaman, Farrokh Mistree, Itzhak Green, Gordon Kirk, and Georges Fadel
 - Barnett-Uzgiris Product Safety Award**
No nominations this year. As of June 1, 2010, the committee members are:
Dan Segalman, Crispin Hales, Joe Davidson, Jeffrey Ge, Gordon Kirk and Georges Fadel
 - Robert E. Abbott Award**
Buddy Clark, Kyrst Anderson, and 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: Jahangir Rastegar
 - Ruth & Joel Spira Outstanding Educator Award – Selection is: Sridhar Kota
 - DaVinci Award – Selection is: Friedrich Pfeiffer
 - Robert E. Abbot Award – Subhash Sinha

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. The awards certificates for this year are being prepared to be ready for Montreal. I have had difficulty getting information from the TCs in time to prepare all the certificates. We should press on the TCs to complete their award information by June 15, independently of the date of the IDETC. This will allow the DED H&A chair to do a few iterations before fixing the awards.

5. A document was prepared to guide the TCs on the types of awards available, the amounts of cash awards for the various types, and other relevant information. This document is attached.
6. The H&A ad-hoc committee (Buddy Clark and Georges Fadel) also looked at award matching and made three recommendations to the Exec committee. These recommendations are also attached. Proposal 1 was approved and moneys sent to the appropriate accounts. Proposals 2 and 3 are to be discussed at the DED meeting.
7. Awards have been prepared for all H&A outgoing members as well as outgoing journal editors.

G. M. Fadel, Chair
DED Honors & Awards Committee
July 11, 2010

ASME DED Awards Committee, TC chairs, and DED Exec committee:

Please find below information on various ASME awards and a proposal for guidelines on award amounts for DED related awards. For your information, here is the list of ASME and DED awards along with their particularities (the last three society awards are the ones DED has main control over):

Society awards

ASME Medal	\$15,000	
Ralph Coats Roe Medal	\$12,000	Engineer's worth to society
Koski Medal	\$10,000	Fluids
Freeman Scholar	\$7,500	Fluids experience
Soichiro Honda Medal	\$7,500	Personal Transportation
James N Landis Medal	\$7,500	Nuclear of fossil fuel stations + Humanitarian
Edward Obert Award	\$5,000	Thermodynamics
Henry Worthington Medal	\$5,000	Pumping machinery
Old Guard	\$5,000	early Career
Charles T. Main Award	\$3,000	Student section
Edwin Church Medal	\$2,500	Education
Marshall Peterson Award	\$2,500	Tribology
9 awards	\$2,000	not DED
4 awards	\$1,500	not DED
39 awards	\$1,000	not DED
Barnett Uzgiris	\$1,000	DED Safety Inscribed Plaque
Machine Design	\$1,000	DED Eminent achievement Galvano Plaque
Spira Educator Award	\$1,000	DED Design Education medal

DED Division Awards

In Awards account (approximate, March 2010)

Abbott Award	\$1,000	\$28,200	statue	Service to society
Da Vinci Award	\$1,000	\$18,900	medal	Innovative design

DED Division/Committee Awards

In Awards account (approximate, March 2010)

DAC Award	\$2,500	\$36,000	
MSNC Lyapunov	\$1,000	\$37,200	
MSNC D'Alembert	\$1,000	\$37,200	
M&R A.T. Yang	\$1,000	\$51,500	
PTG Darle Dudley Award	\$2,000	\$7,300	(every 4 years)
TCVS Den Hartog	\$500	\$11,700	(Being elevated to Society Award, +40K in acct)
TCVS Myklestad	\$500	\$32,900	

DED Committee Awards

In Awards account (approximate, March 2010)

AVTT Best paper	\$1,000	
DAC Young Investigator	\$1,500	\$16,500
DAC Best paper	\$1,000	(Ford)
DTM Committee Award	\$?	\$13,500
DTM Best paper	\$500	\$11,800
MESA Achievement Award	\$?	
MNS Award	\$500	\$4,400
MNS Best paper	\$500	
MNS Innovator award	\$??	\$3,500
MSNC Honorary	\$1,000	
M&R Committee Award	\$1,500	\$22,000

M&R Best paper	\$1,000	\$20,800
M&R MSC Simulation	\$1,000	(MSC?)
M&R Freudenstein/GM YI	\$1,000	(GM?)
M&R Compliant Mechanisms	\$250	Applications
M&R Compliant Mechanisms	\$250	Theory

Based on this information, the DED Honors and Awards (H&A) Committee discussed ways to deal with the inequities. This is what we propose:

ASME provides several levels of awards to its members within the technical communities. Highest awards are Society level awards. Next are Division awards, Division/committee awards and finally Committee awards. Often, awards are initiated by a technical committee and then are upgraded to a Division and finally to a Society award. The differences between these levels are as follows:

Society Award: Highest visibility
Named award
Symbolic medal or statue (engraving and medal or statue costs)
Typically award selection committee specific to the Award (may be selected by a TC or Division)
Society account number specific for the award (endowment)
Highest Financial amounts
Often travel expenses paid for the winner
Certificate (cost)
Endorsed by the ASME Committee on Honors (COH)

Division Award Second level visibility, general applicability
Named award
Occasional symbolic medal or statue (engraving and medal or statue costs)
Award selection committee at the Division level (may have TC involvement)
Division account number specific for the award (endowment)
Next level financial amounts
Occasional travel expenses paid for winner
Certificate (cost)

Division/Committee Award
Second level visibility, specific applicability to one TC
Often named award (guidelines defined by TC and accepted by DED H&A)
Award selection committee at the TC level
Division account number specific for the award (endowment)
Same level as division financial amounts
Occasional travel expenses paid for winner
Certificate (cost)

Committee Award Third level visibility
Award selection committee at the TC level
Account number specific for the award (endowment) if planning to eventually upgrade to division or society level
Next level financial amounts
Certificate (cost)

The DED Honors and Awards Committee does not want to police what the technical committees do, but would like to provide them with some guidelines from a Divisional point of view.

The DED H&A Committee would like to think that the award itself is a strong symbol, and would prefer to downplay the financial side. However, since there is a push to increase the award amounts, it recommends that Technical Committee awards not exceed \$1,000 per year, that Division and Division/committee awards start at \$1,000 and not exceed \$2,500, and that Society awards start at \$2,500. Also, Best Paper awards should not exceed Committee awards levels. Exceptions to this would be awards that are given infrequently, such as the Dudley award (once every 4 years). In these special cases it would be appropriate for the award amount to exceed \$1,000. In order to sustain the awards at whatever amount is set, the committees must build up the necessary resources in appropriate accounts. Optimally, the award funds should generate from their return on investment, the money paid to the award winner, travel expenses if need be, and the increase in base funds necessary for the award to sustain itself. ASME Committee on Honors (COH) restricts spending amounting to more than 5% of the total fund value, and a minimum of \$40,000 is required in an award account to raise it to Society level. If the funds in the awards account are not sufficient, then the specific TC would have to come up with the difference from its own general fund.

If the Technical Committee feels that a particular award is important and they want and can sustain a higher level award, they should upgrade it to Division/committee or Society level. If the Division contributes significantly to the funds needed to bring the award to a higher level, then the Division may require that some of the selection committee members be chosen by the Executive Committee of the Division. Note also that Society level awards have to be approved by the COH, and therefore must be selected early. Society awards have to be sent to ASME COH by March 1.

The Division/committee award is a classification that was added to the last list. These awards have clear guidelines and these have been approved by the DED H&A. Most of them are named awards (maybe the class should be "Named awards").

Finally, looking at last year's expenditures on awards, we spent in excess of \$6,200 on 311 certificates: \$2,448 for paper certificates, \$1,350 for beveled glass certificates, \$2,310 for wooden plaques, and \$140 for leatherette certificates. This does not take into consideration the costs of shipping them to the conference site that we never see since ASME pays for it and then charges the Division. Furthermore, many certificate recipients are not present in person to receive them, and they have to be mailed to them at additional expense. Official awards and best paper awards are definitely a great way to recognize the achievements of our peers, but there are too many certificates handed out to volunteers, which seems to reduce their value. The H&A Committee encourages the TCs to adopt the following approach: Ask your volunteers up front if they need a paper certificate. If they do, request that certificate, and ASME will print it and charge the TC, otherwise, ASME can produce electronic certificates and email them through the H&A chair to the TC chair or awards coordinator to distribute. The cost of these electronic awards will be less than the paper ones, but has to still be set by ASME.

**Proposal for DED Matching Funds to Technical Committee Award Accounts
May 2010**

Buddy Clark, Technical Committee Executive
Georges Fadel, Honors and Awards Executive

In April the Executive Committee agreed to once again offer matching funds to the Technical Committees to help build up award accounts. On April 22, an announcement went out to committees stating, “Each committee may receive up to \$5,000 for up to two award accounts (for a total of \$10,000 in matching funds). This year these must be Division/Committee awards (best paper awards are not included in this matching program).”

The table below shows the requests that were returned by the Technical Committees. Total request allocation to award accounts is \$106,684, with half coming from the committees and half coming from the division.

The awards for which matching funds have been requested are quite varied, including new awards, Division awards, and Committee awards for established researchers, young investigators, and best paper awards.

Proposal 1

The proposed allocations are shown in the table. It is proposed that matching funds be provided to all achievement award requests, limited by a total account value of \$45K (this is the value needed to enable an award to be elevated to the society level, and to fund the award honorarium through interest income). There is little need to fund an award beyond that level. No matching funds are proposed for best paper awards. The total award account allocation would be \$97,674, with \$46,337 coming from the DED account.

Technical Committee Matching Fund Requests

(Note: Account # 4-0414-0000 is the DED account)

Full request granted. Partial request granted. Request not granted.

	TC	From Account	To Account	Amount Requested	Proposed Allocation	Comments
1	TCVS	4-0414-5041 4-0414-0000	4-0414-5007 4-0414-5007	\$5,000 \$5,000	\$5,000 \$5,000	Total of \$10,000 transferred from the TCVS and DED accounts to the TCVS Myklestad Award .
2	DAC	4-0414-5032 4-0414-0000	4-0414-5061	\$3,000 \$3,000	\$3,000 \$3,000	Total of \$6,000 transferred from the DAC and DED accounts to the DAC Young Investigator Award .
3	DAC	4-0414-5032 4-0414-0000	4-0414-5001	\$4,342 \$4,342	\$4,342 \$4,342	This will put a total of \$8,684 in the DAC Award account .
4	MSND	4-0414-5050 4-0414-0000	4-0414-5054 4-0414-5054	\$5,000 \$5,000	\$4,000 \$4,000	Total of \$8,000 transferred from the MSND and DED accounts to the Lyapunov Award account (limited by the \$45K ceiling – account currently has \$37K).

5	MSND	4-0414-5050 4-0414-0000	4-0414-5053 4-0414-5053	\$5,000 \$5,000	\$4,000 \$4,000	Total of \$8,000 transferred from the MSND and DED accounts to the D'Alembert Award account (limited by the \$45K ceiling – account currently has \$37K).
6	DTM	4-0414-5036 4-0414-0000	4-0414-5008 4-0414-5008	\$5,000 \$5,000	\$5,000 \$5,000	Total of \$10,000 transferred from the DTM and DED accounts to the DTM Committee Award .
7	DTM	4-0414-5036 4-0414-0000	4-0414-5062 4-0414-5062	\$5,000 \$5,000	\$5,000 \$0	Total of \$5,000 transferred from the DTM account to the DTM Best Paper Award account. (No match)
8	M&R	4-0414-5034 4-0414-0000	4-0414-5006 4-0414-5006	\$5,000 \$5,000	\$5,000 \$5,000	Total of \$10,000 transferred from the MR and DED accounts to the M&R Award
9	M&R	4-0414-5034 4-0414-0000	** **	\$5,000 \$5,000	\$5,000 \$5,000	Total of \$10,000 transferred from the MR and DED accounts to establish a new award account: the Freudenstein Young Investigator Award. ‡
10	MESA	** (new account) 4-041400000	** **	\$5,000 \$5,000	\$4,995† \$4,995	Total of \$9,990 transferred from the MESA and DED accounts to establish a new award account: the MESA Awards .
11	PTG	4-0414-5042 4-0414-0000	4-0414-5010 4-0414-5010	\$4,000 \$4,000	\$4,000 \$4,000	Total of \$8,000 transferred from the PTG and DED accounts to the Darle Dudley Award account.
12	MNS	4-0414-5060 4-0414-0000	4-0414-5063 4-0414-5063	\$2,000 \$2,000	\$2,000 \$2,000	Total of \$4,000 transferred from the MNS and DED accounts to the MNS Innovator Award .
	Total	From TCs From DED		\$53,342 \$53,342	\$46,337 \$46,337	

‡The Freudenstein Young Investigator award was regularly funded by GM up until a few years ago, and M&R would like to establish a new account for this award to stabilize its funding.

†This is the current MESA account balance, so is all that is available to transfer to an award account.

Proposal for Boosting Division and Society Awards

Two Division awards are currently below the targeted level for self-sustainment:

Abbot Award (\$28K)

DaVinci Award (\$18.9K)

In addition, the Society awards have seen reductions in account balances lately. Two that are below \$30K are:

Machine Design Award (\$27.3K)

Spira Award (\$24.7K)

Proposal 2:

It is proposed that DED transfer \$10K into each of the Abbot and DaVinci award accounts, with a goal of eventually increasing those account balances to a level of \$45K. Also it is proposed to transfer \$10K into each of the Machine Design and Spira award accounts, to replenish their values from recent drops due to the market and to expenditures for awards.

Proposed Guidelines for Future Matching Funds

Proposal 3:

In an effort to standardize future award allocations by the division, and to guide future plans for the use of revenues, the following guidelines are proposed:

Awards that can receive matching funds from the DED:

- Division or Committee major achievement awards (this includes DAC, DTM, and M&R awards)
- Young investigator awards

Awards that may not receive matching funds from the DED:

- Best paper awards
- A major achievement award that has an account balance of \$45,000 or greater
- A young investigator award that has an account balance of \$45,000 or greater

DED will provide match to help each committee establish fully funded accounts for up to two major achievement awards and one young investigator award.

Proposal 1 was accepted. Proposals 2 and 3 are to be discussed at the DED Meeting.

REPORT TO DED EXECUTIVE COMMITTEE

TO: SUNIL K. AGRAWAL, SECRETARY, DED EXECUTIVE COMMITTEE
FROM: LINDA SCHMIDT, CONSTITUTION AND BYLAWS STANDING COMMITTEE
SUBJECT: REPORT OF ACTIVITIES
DATE: JULY 20, 2010

The newly revised and updated document "Constitution Bylaws and Operating Procedures of the Executive Committee, Design Engineering Division" were posted in the appropriate place on the ASME website.

The only active issue in this year is the proposed change to the Voting Process for new executive committee members.

Current Language: Article 1. Officers, Section 1. Executive Committee, Item 2. (f). on the sequential voting process. (f) Sequential voting, with members in the active pool voting for only one candidate per round, will be conducted by the Nominating Committee. This process will be repeated, if necessary, after dropping the nominee with the smallest number of votes until a nominee has a majority of the votes cast from the active voting pool. E-mail and fax will be acceptable modes for confidential voting, but not the telephone.

Proposed Suggestion for Additional Wording: "If in any round, the vote results in a tie, the voting for that round is repeated. If it results in tie again, then the previous past chair (the most junior member of the advisory committee) shall be asked to break the vote."

The issue with this language is to clearly define the "previous past chair".

The "past chair" is a voting member of the Executive Committee, Chair of the Nominating Committee, and the most junior member of the Advisory Committee.

The "immediate past chair" is the Chair prior to the past chair. This person is on the advisory committee but is not the most junior person on the committee.

There was also discussion of asking a member of the Nominating Committee who may or may not be the immediate past chair to provide the tie-breaking vote.

There was a lot of email discussion on this issue with no clear resolution. It will be brought up at the August meeting for clarification and a vote.

In any case, I recommend that the Advisory Committee website (and all other rosters) record clearly add the titles of "Past Chair" and "Immediate Past Chair" or "Previous Past Chair" to the appropriate committee member. I will bring this issue up at the August meeting as well.

IDETC REPORT

DED Executive Committee Meeting
Montreal, Canada
August 15, 2010

STATUS OF IDETC CONFERENCES

The progress reports for the 2010, 2011, 2012 and 2013 IDETC/CIEs are attached. All conferences appear to be on track with their planning and their required processes. The status is summarized below.

- 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
CAI form Part 2 completed
- 2012 IDETC/CIE, Chicago, Aug 6-10, 2012 (tentative)
Michael Stanišić and James P. Schmiedeler, Conference Chairs
CAI form Part 1 completed
- 2013 IDETC/CIE, Location TBD*, Dates TBD
Harry Dankowicz and Dane Quinn, Conference Chairs
*Seattle, Denver, Kansas City, Memphis, and Anaheim are under consideration.

PROPOSAL FOR IDETC 2014

A proposal to hold IDETC/CIE 2014 in Niagara Falls from Venkat Krovi and Tom Sugar is attached to this report.

PROPOSAL FOR IDETC 2014

A special meeting of conference organizers (2010-2014), technical committee chairs, DED Executive Committee Members and CIE Executive Committee members has been organized on Monday, August 16 from 7:00 am - 8:30 am to discuss the proposed 5-day organization for 2012.

FUTURE CONFERENCES

The IDETC is becoming too big in terms of number of tracks. There are too many sessions and conferences in parallel. New conferences have joined IDETC 2012. 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.

MODEL FOR REVENUE SHARING

1. The Conference Surplus is divided based on the number of papers submitted from each division.
2. The CIE division shall receive their portion according to the above.
3. The Design division shall receive 50% of their portion and it shall be forwarded to the main account as such.
4. The remaining 50% of the Design division's surplus shall be divided amongst each of the DED subcommittee according to the number of papers submitted from each subcommittee.

COMMENTS FOR DISCUSSION

1. There is too much pressure on conference organizers. Shifting to a five-day model implies additional responsibilities spread over a longer period of time.
2. Need mechanism for discretionary spending by conference chairs.
3. Model of generating surplus appears to be onerous.
4. Need secretarial assistance for conference chairs.

Respectfully Submitted,

Vijay Kumar
IDETC Executive Member

BREAKING TIES IN VOTING PROCESS OF EXECUTIVE COMMITTEE

Current Language: Article 1. Officers, Section 1. Executive Committee, Item 2. (f). on the sequential voting process. 2(f) Sequential voting, with members in the active pool voting for only one candidate per round, will be conducted by the Nominating Committee. This process will be repeated, if necessary, after dropping the nominee with the smallest number of votes until a nominee has a majority of the votes cast from the active voting pool. E-mail and fax will be acceptable modes for confidential voting, but not the telephone.

The Past Chair has already voted once in the round that results in a tie. The Past Chair is a voting member of the Executive Committee and the Chair of the Nominating committee. The Past Chair is also the most junior member of the Advisory Committee.

The Previous Past Chair (or Immediate Past Chair – the titles seem synonymous and only one should be used in the By Laws) is on the Advisory committee (but not the most junior person) and may or may not be on the Nominating Committee.

Two options for tie breaking language to be added to 2(f): "If in any round the voting results in a tie between the remaining candidates, a tie is announced and the voting for that round is repeated. If the following round again results in a tie then

Option A: ... the member of the Advisory Committee who is also on the Nominating Committee shall be asked to supply the tie-breaking vote."

Option B: ...the Previous Past Chair shall be asked to supply the tie-breaking vote."

Note that the Previous Past Chair is not automatically a member of the Nominating committee. If you choose this option and the Previous Past Chair is a member of the Nominating committee they may have a favorite in the running. Otherwise, they may bring a fresh perspective to the process.

In addition to this change I recommend that the Advisory Committee website (and all other rosters) clearly add the titles of "Past Chair" and "Immediate Past Chair" or "Previous Past Chair" (Pick one of the following titles) to the appropriate committee member.

Respectfully Submitted,

Linda Schmidt