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# DESIGN

*Design Engineering Division Newsletter*

*Kon-Well Wang, Editor, & Chin An Tan, Assistant Editor*

*Spring 2003*

## DED Members Elected to Fellow Grade

During the past year, ten members of our Division have been elected to the Fellow Grade of membership. They are Jasbir Arora, Phil Doepker, Crispin Hales, Tai Ran Hsu, Clifford Imprescia, Byoung Sung Kim, Sridhar Kota, Ashok Midha, Katie Vandergriff and Bingen Yang. Congratulations to these members and to those who took the time to nominate them. As one of the largest divisions within ASME we still have the lowest percentage of Fellows.

During this past year the Committee of Past Presidents initiated changes in the nomination process and the new procedures and the new nomination forms are available at [www.asme.org/member/fellow](http://www.asme.org/member/fellow).

*Richard A. Hirsch*

## Message from the Chair



*Bahram Ravani*

The Design Engineering Division (DED) of ASME has evolved over the years to become the largest and one of the most successful divisions of the society. It has more than 37,000 members, 10 technical committees, three affiliated journals, and organizes technical conferences every year. The division is now embarking on a path to become more **agile, engaged,** and **useful** to its members as well as responsive to new industrial and societal needs.

The division must function as a bottom up organization to enhance the needs and careers of its members. At the same time, it must provide leadership in developing an enterprise that can anticipate the evolution of Design Engineering as a professional discipline.

In order to meet these goals, we are evolving our operating environment to have complete accountability and transparency. We have also developed new Vision and Mission statements for the division.

**New Vision Statement** - *To be an agile and engaged division of the Society which keeps abreast with rapid changes in knowledge, technology, and global and societal needs in the field of design engineering.*

**New Mission Statement** - *To lead in fostering and promoting the art, science and application of Design Engineering as well as the professional careers of Design Engineers in Education, Research, and Engineering Practice.*

The key elements of these new statements are that they require the division to be an agile and engaged organization that fosters not only education and research but also the practice of design engineering. Furthermore, the focus is not only on enhancing the field of design engineering, but also the careers of those involved in the field.

I am asking members to review the new strategic plan that we have developed for the division by checking our web site: <http://www.asme.org/divisions/ded>.

I have also set up a temporary web site to make it easier for us to communicate among ourselves. The address of this site is: <http://www.ded.ucdavis.edu>. Among other things, this site contains a discussion page that will allow you to share your thoughts on any topic of interest. I will be particularly interested in receiving your suggestions on how to implement or modify the strategic plan to better serve our members. If you register your email address on this site, you will receive quarterly electronic reports from me on the activities of the division and our progress in implementation of the strategic plan.

I believe that the new Vision and Mission statements would keep the division activities and policies focused. These would also help the division evolve to be more engaged and agile with respect to changes in the science base as well as the practice of design engineering and needs of its members.

**DED Web Site**  
<http://www.asme.org/divisions/ded>

## Greetings from the Past Chair

One of the best reasons to become actively involved with the Design Engineering Division is the opportunity to work with a wonderful group of people.

My tenure on the Executive Committee has been a true joy due to the hard work and cooperative spirit of every single member of the team. Many thanks to all of them for a job very well done!

I would like to take this opportunity to call attention to many others who have contributed much to our Division over the last year. Due to space limitations, I will not be able to mention all who deserve to be mentioned, so please keep in mind that many more belong on this list.

Topping the list is Dick Hirsch. Dick has been working tirelessly for the Division for as long as I can remember. Dick has worked hard to maintain our industry oriented Spring Design Conference event despite many changes in the conference over the last several years. Dick also chairs our Fellows Nominating Committee. He keeps telling us that we have the lowest percentage of Fellows of any Division, so please, send him a nomination or two!

Past Chair Phil Doepker saw a need for the Division to live up to the International label. Therefore, he founded the DED International Activities Committee. This effort has dramatically improved our international presence and continues to do so.

Professor Farrokh Mistree will complete a six-year term as our Honors and Awards Committee in June. He is responsible for the new Ruth and Joel Spira Outstanding Design Educator Award. He also arranged for endowing and raising this award to the Society level. He has set the standard for coordinating our Awards ceremonies.

Professor Larry Bergman, the late Prof. Lung-Wen Tsai, Prof. Michael McCarthy and Prof. Constantinos Mavroidis all work hard to keep our Journals profitable and vital. Professors Ken Waldron, Jorge Angeles and Bahram Ravani serve on the Management Committee of the exciting new "IEEE/ASME Transactions on Mechatronics".

It is difficult to appreciate the effort involved in hosting one of our Design Engineering Technical Conferences. Many thanks to our two most recent volunteers, Professors Kazem Kazerounian and Ahmed Shabana, for a fantastic job. Student Activities Chair Pierre Larochelle has developed novel programs to help our student members, as well as providing the Division with an appealing student web site. The importance of these efforts to our future cannot be overstated.

Past Chair (PC) Steven Velinsky has moved up to become ASME Vice President and Chair of the Systems and Design Group, but he has done much behind the

scenes in support of our Division over the past year. PC Crispin Hales arranged for us to obtain visibility in the 2003 "Special Issue on Design" of Mechanical Engineering Magazine. PC John Wesner served as the keynote speaker to our first Joint Dinner Event with the Chicago section. PC Dan Segalman assembled an excellent slate of nominees for incoming Executive Committee members.

Working from New Zealand, our webmaster, Dr. Shayne Gooch, is truly international. I am amazed that he always seems to implement updates in minutes, despite the time of day that we send a request!

Kudos to Professor Kon-Well Wang for succeeding in publishing an excellent newsletter on time. Fred Goldfarb of ASME Engineering Programs deserves recognition for supporting the Division for 18 years.

So many more should be mentioned! I can assure you that the future is bright in the hands of our talented new Executive Committee.

*Thomas R. Chase*

## Machine Design Award Winner Norton Speaks on Kinematics in the Curriculum

Professor Robert Norton of Worcester Polytechnic Institute was presented with the prestigious ASME Machine Design Award at the International Design Engineering Technical Conferences in Montreal, Canada on October 1, 2002. The Machine Design Award recognizes eminent achievement in the field of machine design. Professor Norton is the 42nd recipient of the award, which was established in 1958.

Professor Norton brought to light an unsettling trend to eliminate the teaching of kinematics in mechanical engineering curricula in his acceptance speech. He emphasized that kinematics is the foundation stone of machine design. He cited his industrial and consulting experiences, where lack of understanding of kinematics by machine designers had caused severe problems, and where proper application of kinematics and dynamics produced speed increases, reduced scrap and lower noise. He emphasized the differences between applied stress analysis, such as fatigue life prediction, and kinematic synthesis, a "front end" process where designers must determine what type of mechanism is appropriate and proceed to synthesize it. Professor Norton closed with suggestions on how to remedy the problem. He suggested that full-time academics become champions of kinematics. He suggested that industry practitioners make their needs for kinematic expertise known. He recommended improving communication between industry and

academe through student projects, research activities, summer internships for faculty, and industrial sabbaticals. He suggested that academic administrators invite industrial machine designers to join departmental advisory boards.

*Thomas R. Chase*

## Proposed New Standard ASME Y14.41 Sets the Rules for 3D Modeling

The development of the proposed new standard ASME Y14.41 on 3D modeling and Digital Product Definition Data Practices was initiated at the request of Industry and the U.S. Government. ASME Y14.41 extends Y14.5M into the 3D world. This proposed standard establishes requirements, and references documents applicable to the preparation and revision of digital product definition data, referred to as data sets. The proposed document defines the exceptions and additional requirements to existing ASME standards for using product definition data sets or drawings in 3D - digital format. As well, the proposed standard supports two methods of application: model only, and model and drawing in digital format. The structure of the document begins with the requirements common to both methods (model only, and model and drawing in digital format), and then branches to the other sections that have differing requirements for each method. It also provides a guide for the many computer aided design (CAD) software packages to develop better modeling and annotation practices for CAD and engineering disciplines.

Developers of the proposed standard include experts from Government, 3D Software Developers, and the largest Automotive, Aerospace, Defense Industry and Heavy Equipment manufacturers. This demonstrates the need for, and anticipated wide use of this proposed new standard.

Look for further notices on release of the proposed standard at <http://www.asme.org/cns>, or email: [nothoferw@asme.org](mailto:nothoferw@asme.org).

*William Nothofer*

## A New Technical Committee - MSD

Formation of a new Technical Committee, the *Multibody System Dynamics* (MSD) Committee, was approved at the March 2, 2003 Executive Committee meeting held at the University of Illinois at Chicago campus in Chicago. The new Committee will organize the 2005 ASME International Conference on Multibody Systems, and Nonlinear Dynamics and Control as part of IDETC 2005. The Executive Committee also approved the appointment of Prof. Ahmed Shabana as the Founding Chair of MSD for a term of two years.

*K.C. Gupta*

## Committee Reports

### International Activities— A Call for Papers

After the successful first symposium in Pittsburgh in 2001, the International Activities Committee of the Design Engineering Division has decided to hold a second symposium as part of the 2004 IDETC in Utah. The committee invites abstracts on issues associated with international collaboration and issues in engineering design. Topics of special interest include design projects conducted by teams around the world, communication techniques used to facilitate international team participation, approaches to design engineering and product development - the cultural similarities and mismatches, and cultural dependencies - What are the driving issues? Other topics will be design projects through industry and academic collaboration, cooperative arrangements and projects between universities in different countries, development of interdisciplinary teams, and inclusive and adaptive design. Areas covering the design for the elderly and physically challenged, the role of ergonomics in design, concentration on patient safety in medical equipment design, product life cycle as a design criteria, sustainable design, and design engineering in service to humanity will also be available.

Individuals wishing to submit abstracts should submit them to Professor Philip Doepker, Dept of Mechanical & Aerospace Engr., Univ. of Dayton, 300 College Park Dr., Dayton, Ohio 45469-0210. Phil.Doepker@notes.udayton.edu.

*Philip E. Doepker*

### Design for Manufacturing

The mission of the Design for Manufacturing (DFM) Committee is to cross pollinate and disseminate DFM leading world class practices, theories and methods within industry and academia engineering communities. The DFM Committee participates in three major technical conferences per year, the ASME International Design Engineering Technical Conferences, International Mechanical Engineering Congress & Exposition, and the National Manufacturing Week Conference in Chicago. The Committee will host ten of today's leading academia research and highly visible industrial driven presentations, lectures and discussion at NMFW 2003. Including, Design for Six Sigma, Design for Model Base Manufacturing, Analysis and Management of Assembly Modeling, Variation Management in product design and Design for No Assembly.

Committee meetings are held at each of the conferences mentioned above. If you are interested in participating in the DFM committee, please contact Garlon L. Turner,

er, Lockheed Martin Corp, EPICenter, 3 Executive Campus, 4th Floor, Cherry Hill, New Jersey 08002. Ph: (856)792-9416 Fax: (856) 792-9455, email: Garlon.L.Turner@lmco.com.; or David Kazmer, email: David\_Kazmer@uml.edu.

*Garlon L. Turner; Robert Sturges*

### Design Automation

The Design Automation Committee organized a very successful 28th Design Automation Conference in Montreal last September. Dr. Robert Brent Thirsk, an astronaut from the Canadian Space Agency, helped get the conference underway with his plenary lecture "Robotics Aboard the International Space Station." At the Honors and Awards Luncheon, Professor Kemper Lewis and Mr. Tung-King See from the State University of New York at Buffalo received the Black & Decker Best Paper Award for their paper "Multiattribute Decision Making Using Hypothetical Equivalents". With more than 120 papers presented in 32 technical sessions, including seven special sessions organized by DAC members, the Conference was a great success.

Preparations for the 29th Design Automation Conference are well underway. Professor Wei Chen was elected to serve on the DAC executive subcommittee as International Papers Chair and joins Professors Georges Fadel, Chair, and Kenji Shimada, Program Chair of the Conference. This year a new on-line paper submission system was put in place to streamline the submission and review process. The Committee's web presence has been enhanced with an updated web page ([www.me.washington.edu/~asmeda/](http://www.me.washington.edu/~asmeda/)), which includes last-minute announcements and news about the Committee and the Conference. The Design Automation Committee looks forward to another successful Design Automation Conference in Chicago this fall.

*Alejandro Diaz*

### Vehicle Design Committee

The Vehicle Design Committee of the ASME Design Engineering Division is honored to have the following new members: Professor Mehdi Ahmadian of Virginia Tech, Dr. Gary Heydinger of SEA, Inc. and The Ohio State University, and Dr. Michael Kokkolaras of University of Michigan.

The Committee sponsored the symposium on "Advanced Vehicle Technologies" during the IMECE'2002 held in November 2002 at New Orleans, Louisiana. This symposium is annually dedicated to the memory of Dr. Donald A. Streit, Professor of Mechanical Engineering, Pennsylvania State University, who passed away in August 2001. Dr.

Streit was a member of the committee and the editorial board of the International Journal of Heavy Vehicle Systems and made many important contributions to the field of heavy vehicle transportation. He will be remembered as an outstanding scientist and a superior human being whose selflessness and caring extended well beyond the boundaries of his immediate family and his profession. The engineering profession is missing him greatly. The major themes of the symposium were: Advanced Vehicle Simulation And Virtual Proving Ground; Driver-Vehicle-Environment Interactions; Advanced Design Methods In Vehicle Development; and Advances In Automotive Dynamics and Control. The symposium was fortunate to have contributions from prominent researchers from around the globe.

The Committee is organizing a symposium entitled "Advanced Vehicle Technologies" to be held during The International Mechanical Engineering Congress and Exposition on November 11-16, 2003 in Washington DC. Papers are invited on innovative analytical, computational, and experimental investigations in control, dynamics, and design of full vehicle systems and their sub-assemblies.

*Moustafa El-Gindy*

### Mechanisms and Robotics Committee

My term as the chairman of the Mechanisms and Robotics Committee officially started Jan 1, 2003, when the Mechanism Committee was mourning the loss of our esteemed colleague and Past Chair, Professor Lung-Wen Tsai, on November 29, 2002. The loss of this valuable scientist and great colleague and friend will be felt dearly by the design, mechanisms and robotics community.

Currently our Committee is undertaking many activities and initiatives such as organizing several technical sessions in the IDETC 2003 in Chicago. Professor Michael Stanic is in charge of organizing these. The Committee will also be organizing a technical session at the 2004 National Design Engineering Conference (NDEC)/National Manufacturing Week. Professor Suresh Ananthasuresh will lead this and the 2004 Mechanisms and Robotics Conference will be chaired by Professor Larry Lowell. We are re-designing our web pages to reflect our role as an e-community center for the mechanisms and robotics community. Professor Hashem Ashrafioun is in charge of this important activity. Along those lines, the Committee is planning to start a bi-annual electronic newsletter to keep our community informed of relevant news and activities. We are also developing two new

## Committee Reports (continued)

sub-committees, Nano-Mechanical Systems - chaired by Professor Constantinos Mavroidis and Micro-Mechanical Systems - chaired by Professor Suresh G. Ananthasuresh. We are pleased to announce that the Mechanisms and Robotics Committee enthusiastically supports the proposal by Prof. Vijay Kumar to host the 2006 IDETC/CIE conference in Philadelphia.

Those interested in participating in the activities of this Committee should contact Kazem Kazerounian, (Kazem@engr.uconn.edu), Mechanical Engineering Dept., University of Connecticut, Storrs, CT 06269-3139.

*Kazem Kazerounian*

### Student Affairs Committee

This year a major effort is underway to develop an activity at the annual IDETC&CIE that is completely student focused - to address their needs. Why? Did you know that annually ~100 students attend the IDETC&CIE - that's ~20% of the total attendance? Yet, to date we do not have any activities specifically focused to address the needs and desires of our students. Currently, we are seeking input from students and others as to what our Conference should be providing to our students. We sincerely welcome your input. If you have any suggestions as to what student-focused activities should be organized for our future DETC&CIE Conferences, please contact the DED's Student Affairs Chair: Pierre Larochelle (pierrel@fit.edu).

Another major activity of the Student Affairs Committee is the maintenance of the DED Student Center web page, which is linked to the Design Engineering Division's homepage: <http://www.asme.org/divisions/ded/index.html>. The purpose of the DED Student Center is to create a significant presence on the DED homepage that is informative and attractive to students. If you have any comments or suggestions to improve the site, please send them along to the Student Affairs Chair.

The Committee actively seeks opportunities to involve and serve our students. We do this by organizing student-focused activities at the IDETC&CIE, performing various projects such as creating and maintaining the DED Student Center website or by serving on the ASME Student Design Contest Committee, with web site at <http://www.asme.org/students/Competitions/designcontest/index.html>.

*Pierre M. Larochelle*

### Power Transmission and Gearing Committee

The Power Transmission and Gearing Committee is participating in the 2003 Design Engineering Technical Conference, Chicago, Illinois, September 2-6, 2003. This will be a joint conference with the American Gear Manufacturers Association (AGMA). Top gear and transmission researchers from around the world will attend this conference, providing access to their latest work and time for individual discussion. It is anticipated that about 160 papers will be presented at the Conference from twenty-five different countries.

*David Lewicki*

### RSAFP Committee

The Reliability, Stress Analysis, and Failure Prevention (RSAFP) Committee participated in 2002 International Mechanical Engineering Congress and Exposition with a focus on "Stress Analysis of Adhesive Joints, Design Issues, Reliability, Stress Analysis, and Failure Prevention". Four sessions were organized with 13 papers, some of which were from overseas countries including Japan and Belgium.

The RSAFP Committee will be participating at the International Design Engineering Technical Conference to be held in Chicago, Illinois, September 2-6, 2003, as well as at the IMECE 2003.

*Erol Sancaktar*

### Vibration and Sound

The Technical Committee on Vibration and Sound provides leadership for promoting research and for disseminating knowledge in all areas relating to mechanical vibration, acoustics, dynamics, and controls. One of its main activities is to organize the Biennial Conference on Mechanical Vibration and Noise, which is the lead conference during the ASME International Design Engineering Technical Conferences in odd-numbered years. The Committee sponsors reviewed paper sessions, lectures, and panel sessions at the ASME IMECE and at the National Manufacturing Week Show in Chicago. In addition, the ASME Journal of Vibration and Acoustics reports to the Committee on a bi-yearly basis. TCVS also administers the J.P. Den Hartog award, given to an individual in recognition of lifetime contributions to the teaching and practice of vibration engineering, and the N.O. Myklestad award, given to an individual in recognition of a major innovative contribution to vibration engineering.

If you are interested in the activities of the Committee, please contact Professor Ray Han (ray-han@uiowa.edu), Dept. of Mechanical & Industrial Engr., The University of Iowa, Iowa City, IA 52242. Please also visit our website at <http://www.me.psu.edu/tcvts/>.

*Ray P.S. Han*

### Design Theory and Methodology

The Fourteenth International Conference on Design Theory and Methodology was held September 29 - October 2, 2002 in Montreal. Conference Chair Spencer Magleby did a superb job of organizing the Conference. Program Chair Clive Dym reported 67 papers submitted and 33 accepted and published in the proceedings. DTM again ran a single track of sessions. The Xerox/Design Research Institute Best Paper Award was presented to "Creative Stimulation In Conceptual Design" by Oren Benami and Yan Jin of the University of Southern California. The Committee would like to acknowledge Xerox for their generous and continuing support of this award.

The Committee is looking forward to the Fifteenth DTM Conference in Chicago. 2003 DTM Conference Chair is Clive Dym from Harvey Mudd College and Program Chair is Linda Schmidt from Univ. of Maryland.

*Robert Paasch*

### Fastening and Joining

The First Fastening & Joining Committee Meeting was successfully held during the 2002 ASME IMECE. There have been 14 new committee members added to our group since June 2002. Our major goal is to promote R&D activities and to increase the awareness of modern fastening and joining technologies. The work of the Committee involves planning, reviewing and scheduling technical programs offered at a conference.

The Fastening & Joining Symposium at 2003 IMECE is entitled "Advanced Joining Technologies for Transportation Vehicle Structures". The symposium will have two sessions under F&J and one session cosponsored by Aerospace Materials Committee. Thanks to Prof. Ronald Gibson (Wayne State) and Prof. Raju Mantena (Univ. of Mississippi) for their help in planning the symposium. Without their enthusiastic involvement, this Committee would not have gone this far.

*S. Jimmy Hwang*

# DED Participates in National Manufacturing Week Conference

The 2003 NMW Conference was held on March 3-6 at McCormick Place, Chicago. This year, the Conference was organized and managed by ASME. The Conference consisted of seven Tracks: Design Engineering, Design for Manufacturing, Manufacturing and Industrial Automation, Plant Engineering & Maintenance Management, Enterprise IT, Supply Chain & Logistics Management, and Executive Management. Total registrations

were 300 plus including full conference passes, one day and one-session tickets.

The program included 65 75-minute sessions. ASME Divisions organized 55 sessions and 10 were sponsored by AMR Research, a management consulting firm. The DED organized 21 sessions, Manufacturing Engineering Division 15, Plant Engineering & Maintenance Division 11, Management Division 6, and the Technology & Society Division 2. Of the 21 sessions from

our Division 9 were organized by the DFM Committee, 8 by the Education Committee, one by TCVS and 3 from outside sources.

The traffic on the show floor seemed lighter than past years although there were over 2,000 exhibitors. The average conference session attendance was also somewhat less than in previous years. All in all, ASME Management considers this first effort a success and is looking forward to 2004.

*Richard A. Hirsch*

## The 2003 ASME International Design Engineering Technical Conferences and the Computers and Information in Engineering Conference (IDETC/CIE) September 2-6, 2003 in Chicago, Illinois At the Downtown Marriott



### General Conference Chair:

**Prof. Ahmed Shabana**  
Department of Mechanical Engineering  
University of Illinois at Chicago  
842 West Taylor Street  
Chicago, Illinois 60607-7022  
Tel: (312) 996-3600 Fax: (312) 413-0447  
E-mail: shabana@uic.edu

### General Conference Program Chair:

**Prof. Tom Royston**  
Department of Mechanical Engineering  
University of Illinois at Chicago  
842 West Taylor Street  
Chicago, Illinois 60607-7022  
Tel: (312) 413-7951 Fax: (312) 413-0447  
E-mail: troyston@uic.edu

Please see the web site for mailing address of the paper review chairs for each conference: [www.me.uic.edu/detc2003](http://www.me.uic.edu/detc2003)  
For inquiries concerning general conference arrangements, please contact the general conference chairman and program chairman.  
For inquiries concerning an individual technical conference, please contact the respective chairperson.

The 2003 ASME International DETC/CIE consists of the following conferences:

### 19th Biennial Conference on Mechanical Vibration and Noise

**Conference chair: Prof. Ahmed Shabana**  
Department of Mechanical Engineering  
University of Illinois at Chicago  
842 West Taylor Street  
Chicago, Illinois 60607-7022  
Tel: (312) 996-3600 Fax: (312) 413-0447  
E-mail: shabana@uic.edu

### 29th Design Automation Conference

**Conference chair: Prof. Georges Fadel**  
Department of Mechanical Engineering  
Clemson University  
202 Fluor Daniel EIB  
Clemson, SC 29634-0921  
Tel: (864) 656-5620 Fax: (864) 656-4435  
Email: gfadel@ces.clemson.edu

### 23rd Computers and Information in Engineering Conference

**Conference chair: Dr. Ashwani K. Gupta**  
University of Maryland  
Department of Mechanical Engineering  
College Park, MD 20742  
Tel: (301) 405-5276, Fax: (301) 314-9477  
E-mail: ak Gupta@eng.umd.edu

### 8th Design for Manufacturing Conference

**Conference chair: Prof. S.K. Gupta**  
Department of Mechanical Engineering  
University of Maryland  
College Park, MD 20742  
Tel: (301) 405-5306  
E-mail: sk Gupta@eng.umd.edu

### 15th International Conference on Design Theory and Methodology

**Conference chair: Prof. Clive L. Dym**  
Department of Engineering  
Harvey Mudd College  
Claremont, CA 91711-5990  
Tel: (909) 621-8019, Fax: (909) 621-8967  
Email: clive\_dym@hmc.edu

### 9th International Power Transmission and Gearing Conference

**Conference chair: Dr. David Lewicki**  
U.S. Army Research Lab - NASA Glenn  
21000 Brookpark Rd. - M.S. 23-3  
Cleveland, Ohio 44135 USA  
Tel: (216) 433-3970, Fax: (216) 433-3954  
Email: david.g.lewicki@grc.nasa.gov

### 16th Reliability, Stress Analysis and Failure Prevention Conference

**Conference chair: Prof. Erol Sancaktar**  
Polymer Engineering, University of Akron  
Akron, OH 44325-0301  
Tel: (330) 972-5508, Fax: (330) 258-2339  
Email: erol@uakron.edu

## IMECE 2003

**W**ebTool for IMECE03 proved to be a work in progress and not ready for prime time. Delayed release of WebTool caused many problems for DED organizers, authors and reviewers. It became accessible by authors in early December, but by division representatives only in early January. The Reviewer Assignment feature was not functional even by early March. By early February, session titles, session organizers/chairs and their access passwords had been set up for all 25 DED sessions. Most of the sessions had been populated by early March 2003.

Some technical committees did not have key contacts in place until February. In the beginning, the desired number of sessions was not given to DED. By February, some of the 25 DED sessions were overcrowded, causing a definite need for 5-6 additional sessions. An internal reallo-

cation of sessions within DED is expected around the end of March and more sessions can be expected from ASME.

IMECE 2004 should be easier with the WebTool more familiar to authors and organizers. Every effort will be made to provide proper input to ASME about DED Call-for-Papers by September/October 2003.

*K.C. Gupta*

## IDETC/CIE 2002

**T**he 2002 ASME International Design Engineering Technical Conferences and the Computers and Information in Engineering Conference (IDETC/CIE 2002) was held in Montreal, Canada, from September 29 through October 2, 2002. This conference consisted of 5 conferences, 27th Biennial Mechanisms and Robotics Conference, 22nd Computers and Information in Engineering Conference, 28th Design Automation Conference, 7th

Design for Manufacturing Conference, and the 14th International Conference on Design Theory and Methodology. Two special symposia, Symposium on Integrated Systems Design (Theme: Aircraft Systems) and the Symposium on Engineering Design and Culture were included.

The technical conferences showcased cutting-edge research, industrial applications and accomplishments, reviewed the current status and future plans, and enriched the educational experience in fields related to each conference. We also had 10 exciting and informative tutorials as part of the conference. The conference included several keynote speeches and luncheon talks, notable among them were talks by Sue Skemp (President of ASME) and Dr. Robert Thirsk (Astronaut from Canadian Space Agency). The conference also included tours to Pratt and Whitney, Canada and the Canadian Space Agency.

*Kazem Kazerounian*

### Announcement and Call for Papers The 2004 ASME International Design Engineering Technical Conferences And the Computer and Information in Engineering Conference (IDETC/CIE) September 28-October 2, 2004, Salt Lake City, Utah at the the Downtown Hilton



#### General Conference Chair:

**Prof. Alan Parkinson**

Department of Mechanical Eng.  
435 CTB

Brigham Young University  
Provo, UT 84602

Tel: (801) 422-6544 Fax: (801) 422-0516  
parkinson@byu.edu

#### General Conference Co-Chair:

**Prof. Spencer Magleby**

Department of Mechanical Eng.  
435 CTB

Brigham Young University  
Provo, UT 84602

Tel: (801) 422-3151 Fax: (801) 422-0516  
magleby@byu.edu

#### General Conference Co-Chair:

**Prof. Larry Howell**

Department of Mechanical Eng.  
435 CTB

Brigham Young University  
Provo, UT 84602

Tel: (801) 422-8037 Fax: (801) 422-0516  
lhowell@byu.edu

**Tentative Paper Due Date: February 6, 2004.** Please see the conference web site for more complete information and for links to the individual conferences: <http://detc2004.me.byu.edu>

#### 30th Design Automation Conference (DAC)

Conference Chair: Prof. Kenji Shimada  
Department of Mechanical Engineering  
Carnegie Mellon University  
318 Scaife Hall  
Pittsburgh, PA 15213-3890  
Tel: (412) 268-3614 Fax: (412) 268-3348  
shimada@cmu.edu

#### 24th Computers and Information in Engineering Conference (CIE)

Conference Chair: Dr. David Lee  
TRW Space and Electronics Group  
One Space Park M3/1012  
Redondo Beach, CA 90278  
Tel: (310) 812-5797 Fax: (310) 813-5409  
david.e.lee@trw.com

#### 9th Design for Manufacturing Conference

Conference Chair: Prof. Caroline Hayes  
Department of Mechanical Engineering  
111 Church Street SE  
University of Minnesota  
Tel: (612) 626-8391 Fax: (612) 624-1398  
hayes@me.umn.edu

#### 28th Biennial Mechanisms and Robotics Conference (MR)

Conference Chair: Prof. Larry Howell  
Department of Mechanical Engineering  
435 CTB  
Brigham Young University  
Provo, UT 84602  
Tel: (801) 422-8037 Fax: (801) 422-0516  
lhowell@byu.edu

#### 16th International Conference on Design Theory and Methodology

Conference Chair: Linda Schmidt  
Department of Mechanical Engineering  
University of Maryland  
College Park, MD 20742-3035  
Tel: (301) 405-0417 Fax: (301) 314-9477  
lschmidt@eng.umd.edu

#### Special Symposium on Integration of Materials Microstructure in Design Optimization

Chair: Prof. Brent Adams  
Department of Mechanical Engineering 435 CTB  
Brigham Young University  
Provo, UT 84602  
Tel: (801) 422-7124 Fax: (801) 422-0516  
B\_L\_adams@byu.edu