

Minnesota Federation of Engineering, Science, and Technology Societies (MFESTS)



2011 Annual Report

This report describes the activities of MFESTS from January 1, 2011 thru December 31, 2011. The mission of MFESTS is to provide service to our member societies, to provide service to the citizens of the state of Minnesota, and to provide service to professionals in engineering related careers. This was accomplished through communication at meetings and through the MFESTS website awards for professional achievement, and partnering with other organizations for education outreach and joint cooperative events.

2011 Notable Highlights (details below):

Youth - Outreach

- Presented 7th Annual “Engineering Excellence” Special Award at Regional Future Cities Competition and financially contributed as a Bronze Sponsor.
- Had 25 MFESTS Society volunteers and supported a huge TechFest 2011 event of 1,500+ attendees.
- Provided and assisted in getting several Silent Auction items for the Eweek Awards Banquet to benefit Youth Tech Programs helping them surpass their fundraising goal by a large margin.
- Made a financial contributions to the MathCounts Program and Works Museum

Cross- Society Joint Interaction

- 2nd Joint SWE-MN/MFESTS Picnic on Tuesday, June 21st, 2011 at Central Park in Roseville. Well received.
- 1st MFESTS Society Summer Program Planners facilitated meeting held on July 13th, 2011. 17 attended, representing 10 societies + 1 guest group. Information / results distributed to all.
- Open House preview at the Works Museum at their new location on Sat 10/22/2011, about 100 attendees from various MFESTS societies. Provided snacks.
- Promoted MFESTS Societies with MFESTS staffed table of information at the Twin Cities ISA TechFair Tabletop Show at the Earl Browne Center on 4/7/2011.
- Sent out invites for 5/24/11 MnSPE Engineers Night at the Saints, SWE annual Sparks Slime and Speed on 2/20/11. ASQ Multi-Society invite Networking Events on 3/31/11 & 7/12/11.
- Four quarterly Board of Directors Meetings held.
- Cross-society events are/were posted on the www.MFESTS.org website calendar.

Awards and Recognition

Judged and presented the following awards at 47th annual Engineers Week Awards and Recognition banquet held at Target Field on February 25th, 2011.

- Four MFESTS Charles W. Britzius Distinguished Engineer Awards, 2 MFESTS Richard Alberg Distinguished Science and Technology Professional Awards
- Four Young Engineer of the Year nominees were recognized, one nominee was selected by an independent panel of judges and awarded the Minnesota Young Engineer of the Year with travelling plaque.
- One Young Science and Technology nominee was recognized and selected by an independent panel of judges to be MN Young Science and Technology Professional of the Year.

Member Societies and Meetings

2011 Member Societies

There are currently 18 professional societies that are members of MFESTS. They are listed below. This year MFESTS welcomed the Minnesota Government Engineers Council as a new member. The Engineers Society of St. Paul (ESSP) discontinued membership due to a very small membership trying to refocus and rebuild itself.

- American Institute for Chemical Engineers (AIChE) Upper Midwest Section
- Association for Facilities Engineering (AFE) Twin Cities Chapter 13
- American Society of Civil Engineers (ASCE) Minnesota Chapter
- American Society of Mechanical Engineers (ASME) Minnesota Section
- American Society for Quality (ASQ) Minnesota Section
- Chinese American Information Storage Society (CAISS)
- Engineers Club of Minneapolis (ECM)
- Honeywell Engineers Club (HEC)
- Institute of Electrical and Electronics Engineers (IEEE), Twin Cities Section
- Institute of Industrial Engineers (IIE) Twin Cities Chapter (Chapter 38)
- International Council of Systems Engineers (INCOSE) North Star Chapter
- Instrumentation, Systems, and Automation Society (ISA), Twin Cities Section
- Minnesota Geotechnical Society (MGS)
- Minnesota Government Engineers Council Society (MGEC)
- Minnesota Society of Professional Engineers (MSPE)
- Society of American Military Engineers, Minneapolis -St. Paul Post (SAME)
- Society of Manufacturing Engineers, St. Paul Chapter (SME-S)
- Society of Women Engineers, Minnesota Chapter (SWE-MN)

Meetings and Website

Face-to-face communication to member societies is conducted through the Board of Directors meetings. Each society's designated MFESTS representative is a director. The Board met on a quarterly basis, with meetings on March 24th, June 9th, September 8th, and December 9th. The Executive Committee met four other times during the year to discuss business and present items to the Board.

The other means of communication is the MFESTS website, www.mfests.org. This website includes contact information for each member society and a calendar where member societies can post their upcoming events.

Several member societies used MFESTS to inform other societies of continuing education seminars and meetings that appeal to a broad range of engineering disciplines.

Professional Awards details

Each year, MFESTS awards the Young Engineer of the Year, Young Science and Technology Professional of the Year, the Charles Britzius Distinguished Engineer, and the Richard Alberg Distinguished Science and Technology Professional Awards. Nominations for these awards were due on January 8, 2011, and they were presented at the Engineers Week Banquet on February 25, 2011.

There were four nominees for Young Engineer of the Year; they are listed below along with their nominating societies. Each nominee was recognized at the banquet and the overall winner was announced. Holli Pheil was selected as the Minnesota Young Engineer of the Year from the Society of Women Engineers – Minnesota Section.

Nominee	Nominating Society
Kodi Jean Church, PE, JD	MnSPE
Christopher Meehan, PE	SAME
Jeremy Walgrave, PE	ASCE
Holli Pheil	SWE

There was one nominee for the Young Science and Technology Professional of the Year. His qualifications were excellent and he was awarded Young Science and Technology Professional of the Year.

Nominee	Nominating Society
Xiaoyue (Phillip) Huang	CIASS

There were four awardees for the Charles W. Britzius Distinguished Engineer (Lifetime Achievement) Award; they are listed below along with their nominating societies. Each nominee was recognized at the banquet.

Nominee	Nominating Society
Robert Diesch, PE	ASME
Cameron Kruse, PE	MnSPE
Joseph Labuz, PE	ASCE
John Palmer	INCOSE

There were 2 awardees for the Richard Alberg Distinguished Science and Technology Professional Award.

Nominee	Nominating Society
Gary Floss	ASQ
Robert Mitchell	ASQ

Youth Outreach Effort details

Tech Fest

On Saturday, February 26th 2011, MFESTS worked closely with The Works Museum in Edina to coordinate volunteers for Eweek Tech Fest Saturday, supplying 25 volunteers from MFESTS societies for experiment support of Electrical, Mechanical, Civil and Aerospace experiment rooms. The Works is a hands-on museum of engineering and technology that is geared toward elementary school age children. Tech Fest is an event held at The Works on the Saturday after Engineers Week. In 2011, over 1,500 kids attended Tech Fest with their parents.

Future Cities Competition

MFESTS presented its 7th annual “Engineering Excellence” Special Award at the Regional Future Cities Competition at held on Saturday, January 15th 2011 at Keller Hall (EE & CSCI building) on the University of Minnesota Minneapolis. There were 25 teams. Four MFESTS society judges: Cassie Svedson (SWE), Mark Feitel (INCOSE), Tracy Gillis (ASCE) and Peter Baker (ISA) judged along with coordinator Kurt Nordstrom (MFESTS). Friendly Hills Middle School Mendota Heights – with their city of Skye Valley (our 1st choice) won our special award that recognized the team with the most comprehensive use of all of the engineering disciplines. MFESTS supplied certificates and very nice gift bags for the winning team. MFESTS also provided financial support of \$500.00 to which qualified as a Bronze Sponsor of the Future Cities program.

MathCounts

MFESTS continued sponsorship of Mathcounts by providing \$300.00 in financial support.

Cross-Society Joint Interaction

MFESTS table at tc-ISA TechFair (MFESTS)

MFESTS was supplied a free table (thanks tc-ISA) at the April 7th, 2011 Twin Cities Section TechFair that was held at the Earl Browne Center in Brooklyn Park. Information and promotion materials were on display for attendees. Several MFESTS society members staffed the table and answered questions.

2nd Summer Picnic (SWE-MN / MFESTS)

On Tuesday, June 21st, 2011 at 6pm, SWE MN Section and MFESTS had the 2nd all-society welcome picnic at Central Park in Roseville, MN. Severe weather was forecasted (again) but the weather turned out okay. About 45 attended (most all that signed up). Had a good time with good interaction and food

(only \$5/guest). SWE MN and MFESTS split the pavilion and event cost. Central Park pavilion has a nice cover for weather and the kitchen facility was very nice.

Program Planners Event (all MFESTS Societies)

On Wednesday, July 13th, 2011 the 1st Program Planners Meeting was held at Care Fusion Facility in Plymouth. This was a result of last year’s survey to supply an opportunity for incoming program planners and MFESTS societies to share information on having programs for their societies. The facilitated event was well received by attendees. Information was shared to all MFESTS societies. The consensus was to have it again, perhaps with more focus on a certain area.

Executive Committee for 2010-2011, 2012-2013

The 2011-2012 MFESTS bi-term calendar year Executive Committee is listed below. At the December 8, 2011 Board of Directors meeting, new officers for the Executive Committee were elected for 2012 and 2013; the officers are listed below. The next election of officers will occur in the fall of 2013.

Outgoing MFESTS Executive Committee 2010-2011

<u>Office</u>	<u>Name</u>	<u>Society</u>
President	Jim Mosner	SAME
1 st Vice President	Dan Peterson	MSPE
2 nd Vice President	Steve Merriman	IEEE
3 rd Vice President	Rick Heinecke	ASME
Treasurer	Scott Alle	ISA
Secretary	Kurt Nordstrom	INCOSE

Nominated MFESTS Executive Committee 2012-2011

<u>Office</u>	<u>Name</u>	<u>Society</u>
President	Dan Peterson	MSPE
1 st Vice President	Steve Merriman	IEEE
2 nd Vice President	Cory Grabinger	HEC
3 rd Vice President	Rick Heinecke	ASME
Treasurer	Jim Mosner	SAME
Secretary	open	

Respectfully Submitted by 2010-2011 MFESTS President

James B. Mosner, PE (SAME)