

Welcome to the

SIXTIETH ANNUAL

NATIONAL ENGINEERS WEEK BANQUET

Wednesday, February 23, 2011

Skyland Pines Lodge

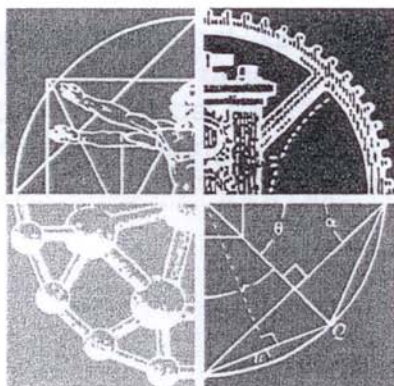
Canton, Ohio

Sponsored by

CANTON JOINT ENGINEERING COUNCIL

Established by

**CANTON REGIONAL SOCIETY OF PROFESSIONAL
ENGINEERS**



ENGINEERS WEEK® 2011

FEBRUARY 20-26

Canton Joint Engineering Council (CJEC)

The Canton Joint Engineering Council which is made up of delegates from 7 engineering societies in the Stark County area, was formed by the Canton Regional Society of Professional Engineers in 1970. Its primary function is to coordinate and manage the National Engineers Week banquet held in February of each year during the week of George Washington's birthday. In addition to the banquet, which is highlighted by a top quality speaker, CJEC Engineers week activities also include an engineering design events for high school students (a water balloon drop or toothpick bridge building contest), a MATHCOUNTS contest for 6th through 8th grade students, and the Engineer for a Day program in which engineering minded high school students visit area companies to view applied engineering.

Other functions of CJEC throughout the year include the awarding of scholarships to deserving college engineering students and publishing a technical society program directory so that each engineering group is made aware of other technical programs in the area.

ENGINEERS WEEK BANQUET

WEDNESDAY, February 23, 2010

SKYLAND PINES LODGE

3550 Columbus Road, NE, Canton, Ohio

Welcome.....	Rich LaRocco, ASHE
Pledge of Allegiance.....	Dick Cook, PE, PS, CRSPE
Invocation.....	Dick Cook, PE, PS, CRSPE
Dinner.....	7:00 PM
Master of Ceremonies.....	Rich LaRocco, ASHE
Presentation of Awards.....	Jeff Yohe , ASHE
Introduction of Speaker.....	Rich LaRocco
Speaker.....	Barbara Hammontree Bennett

Barbara Hammontree Bennett,
PE, PS, CPESC, CPSWQ, LEED-

Biography: Ms. Bennett serves as one of the Managing Partners and as the Manager of the Land Development Engineering Department at Hammontree & Associates, Limited. Ms. Bennett has over 21 years of experience with Hammontree & Associates, Limited and works from the company's home office in North Canton.

She is known as a leader in land development and drainage issues both locally and at the state level. She was appointed the Ohio Home Builders Chairman of the Statewide Developers' Council and Executive Committee. She organized a task force in Stark County to educate and inform developers, planners, and zoning officials on the merits of conservation development and trends in sustainable development in infrastructure applications. She has a proven record of successful management and communication skills on projects ranging from an \$11 million federally funded truck /train intermodal project to hundreds privately funded infrastructure projects.

She was appointed by both Governor Taft and by Governor Strickland to serve on the Ohio Rail Development Commission and currently serves as the Chairman of the Economic Development/Long Range Planning subcommittee. She has been leading the statewide effort to formulate a State Rail plan which is in the final stages after a year long process of stakeholder input. Her presentation tonight reveals the final approved State Rail plan.

Is US High-Speed Rail Moving Full-speed Ahead?

Excerpt from an article on CNews.com

By Stephanie Hildebrandt

Corridor development

Once the funding sources have been determined, there are a whole new set of factors that come into play. Unfortunately, high-speed trains can't jump on any track and run 200 mph. There are operational and safety standards that must be kept in mind.

"Unlike most passenger rail or freight [rail], true high-speed rail systems, which operate at speeds in excess of 150 mph, must have a fully restricted right-of-way and operating environment," said Peter Cipolla, vice president of rail and transit at Hatch Mott MacDonald. "In doing so, this often entails a larger number of tunnels or structures than one might normally expect in a rail corridor. Railway infrastructure for high-speed rail is a complex combination of technologies which includes ... everything from respecting the compatibility of wheel/rail interface, where it may be appropriate to utilize slab track versus ballasted track; cross-wind protection; dynamic and aerodynamic effects, particularly [when] entering and exiting tunnels and/or at station platforms; the voltage and frequency of power stations; compatibility of the rolling stock with the catenary system (height, zig-zag, and forces); along with respecting the level of harmonics and compliance with the electromagnetic compatibility standards."

To put it simply, high-speed trains must be physically separated from vehicular traffic, whether that means constructing the track above or below a road — there can be no at-grade road crossings, Gannett Fleming's Mulqueen said. Plus, high-speed trains must travel in a relatively straight line in order to achieve high operating speeds. And, to be economically viable, they must carry a high volume of passengers from one largely populated area to the next with minimal stops, he added.

Another important factor is speed and schedule requirements. "A normal high-speed rail corridor is dedicated to trains which are scheduled to run at extremely high speeds (180 mph or higher) and scheduled extremely tightly (often within 15-minute intervals)," Halcrow's Mooney explained. "The difference of this high-speed rail service and a typical passenger/freight corridor is that a typical passenger/freight corridor has various speed and schedule requirements which cause a variety of revenue train spacings to occur. If you think about this in a highway situation, the local lanes which have trucks, buses, and passenger vehicles, often times have speeds which are inconsistent and choppy (similar to a passenger/freight corridor), while the express lanes, which only allow passenger vehicles, have higher speeds and more consistent intervals (similar to a high-speed rail corridor)."

ENGINEER FOR A DAY

An opportunity for High School juniors and seniors to spend a day with an engineer at companies throughout Stark County. This event occurs the week of February 22 – 25, 2011.

Participating Schools -#Students

GlenOak – 10 Students
Hoover – 6 Students
Jackson – 13 Students
Theodore Roosevelt High School – 1 Student
Lake Center Christian School – 2 Students
Lake High School – 6 Students
Louisville High School – 14 Students
Massillon Washington High School – 3 Students
Minerva High School – 6 Students
Northwest High School – 2 Students
Sandy Valley Sr. High – 8 Students
St. Thomas Aquinas – 14 Students
McKinley Senior High – 6 Students
Timken Senior High – 17 Students
Tuslaw High School – 3 Students

Participating Companies

Abbott Electric
City of Canton Engineering
Hammontree & Associates, Limited
Koch Knight, LLC
ODOT District 4 –
Rolls-Royce Fuel Cell Systems
Stark County Engineer
Timken Company

THANK YOU SPONSORS

The Canton Joint Engineering Council wishes to express sincere appreciation to the following organizations for their contributions to the success of our National Engineers Week programs.

Thank the following sponsors for contributions to the National Engineers Week programs and Scholarship Fund.

Major Sponsors

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Hilscher-Clark
IEEE
ASM

Support Sponsors

For Providing resources and coordination for the "Engineer for a Day" program:

The Timken Company
Hamontree & Associates, Limited

HONORS AND AWARDS

CJEC SCHOLARSHIPS

\$1000.00 : No applicants this year.

\$400.00 Stark State Student Scholarships:

Owen Bryk – Electrical Engineering Technology

Scott Miller - Electronics Engineering Technology

Mark Lindsay – Mechanical Engineering Technology

James Brandenburg – Civil Engineering Technology

Phillip Clark – Design Engineering Technology

SME Scholarships

Shane Ruzinski - Mechanical Engineering Technology

Dennis Heppner - Design Engineering Technology

C.R.S.P.E.

Imagine Engineering 2nd Grade Coloring Contest

Christian Harris, Country Day; Grace Sykes, Strausser
Elementary; Roland Jocas, Country Day.

C.R.S.P.E. 2009 Young Engineer

No Award this year.

ASHE Awards

Outstanding Highway Project Awards:

Under \$3 million, No award this year.

Over \$3 million, SR-8/I-271 Interchange, designer
URS, Contractor Beaver Excavating, Inc, Owner
ODOT District 4

Outstanding Member Award for 2010- Rich LaRocco.

ASCE Awards

Wendell R. LaDue Civil Engineer Award : **David Granger**

Gary W Johnson Young Civil Engineer Award:
Renee` Whittenberger

C. B. Drennon Civil Engineering student Award:
Dean Morningstar, Mike Jurcak & Vince Weisenberger

Memorial Scholarship Award:
Sarah Sullivan & Amanda Bossart

MathCounts

Normally held at SSCT, the planned competition for Feb. 19th
was cancelled and has not been rescheduled yet. Winners will
qualify for state competition.

NATIONAL ENGINEERS WEEK 1952-2011

A project of the National Engineers Week Committee chaired by the National Society of Professional Engineers and IBM. The week is always celebrated at the time of George Washington's birthday. Our nation's first president was a military engineer and a land surveyor. He made land surveys and designed canals, roads, bridges and fortifications long before the Revolutionary war.

ENGINEER'S CREED

As a professional engineer, I dedicate my professional knowledge and skill to the betterment of human welfare.

I PLEDGE:

To give the utmost of performance;

To participate in none but honest enterprise;

To live and work for according to the laws of man and the highest standards of professional conduct.

To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations.

In humility and with need for divine guidance, I make this pledge.

ENGINEERS WEEK COMMITTEES

Chairman.....	Jeff Yohe, ASHE
Awards.....	Dan Kessler, PE, ASCE
Web Ad Sales	The Timken Company
Programs	Brian Werner, PE, ASME The Timken Company
Engineer for a Day.....	Charles Hammontree, CRSPE Hammontree & Associates
MathCounts.....	Tim Boron, PE
Website	Scott Dilling
Poster Distribution.....	Keith Bonnet
Reservations.....	Jeff Yohe, ASHE
Master of Ceremonies.....	Rich LaRocco, PE, PS, ASHE ME Companies

CANTON JOINT ENGINEERING COUNCIL OFFICERS

President	Jeff Yohe, ASHE
Vice President	Scott Dilling, CRSPE
Treasurer	Carla Giacobone, ASM
Secretary	Rick Buchanan, IEEE
Executive Secretary	Rich LaRocco, PE, PS

CANTON JOINT ENGINEERING COUNCIL MEMBER SOCIETIES & 2010-2011 CHAIRMEN

American Society of Civil Engineers Chairman –Brian Hanna, P.E.	ASCE
American Society of Highway Engineers Chairman –Jim Swartz, P.E.	ASHE
American Society of Mechanical Engineers Chairman –Tom Davis	ASME
American Society for Metals Chairman – Stephanie Rothrauff	ASM
Canton Regional Society of Professional Engineers Chairman – Jeff Robb, P.E.	CRSPE
Institute of Electrical and Electronic Engineers Chairman ~ Gary Lanier, P.E.	IEEE
Society of Manufacturing Engineers Chairman –Tim Seifert	SME

Visit our website at: www.cjecnet.com