



2011-2012 Newsletter



OUTSTANDING SECTION AND BRANCH AWARD

The Syracuse Section was awarded the 2011 Outstanding Section and Branch Award (for Small Sections) by the ASCE Committee on Geographic Units. The award was presented to the Section at the Regions 1, 2, 4 and 5 Multi-Region Leadership Conference in Nashville, TN on January 21, 2012. Congratulations and thank you to all members of the Syracuse Section who have made this well-deserved recognition possible!



MESSAGE FROM THE OUT-GOING PRESIDENT

In reflecting over the 2011-2012 Section year, I am reminded of a quote, "Individual commitment to a group effort - that is what makes a team work, a company work, a society work, a civilization work." ~Vince Lombardi

This could not be truer when describing the Syracuse Section. It is truly through the hard work and dedication of individuals committed to a group effort that our Section is so successful.

Our continued successes included participation in many public events intended to increase awareness of our profession and membership; namely, our NYS Fair exhibit, monthly dinner meetings, happy hours, and Adopt-A-Highway events. Our efforts as a Section however, did not stop there. This year our Section accomplished some rather significant milestones. Our Section was awarded the Outstanding Small Section and Brand award at the January multi-regional conference held in Nashville, TN. Additionally, the efforts of Ray D 'Hollander resulted in our very own Geo-

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Institute. Moreover, for the first time since the inception of Region 1; we hosted the NYC Council and Region 1 Assembly meeting, which Dan Borcz made successful with all his time spent coordinating with the Maplewood Inn.

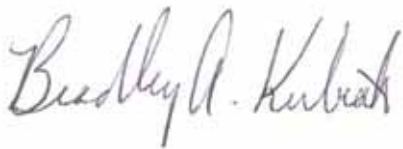
Of course, I can't reflect on our successes without thinking about our improvement for public outreach. We now have a newly designed website, which while it might not sound like a difficult task, it took many long hours by Seth Livermore and Christie Bryz-Gornia to get it launched in late April. There were also various activities that our Section embarked on this year, which included my attendance at the Annual Meeting in Memphis, TN and Matt Henderson attending the Annual Legislative Fly-In Program in Washington, D.C. as Chair of the Government Relations Committee. And last but not least, our Section was visited by then ASCE President Kathy Caldwell, who visited with our Board members and dedicated the Utica Auditorium, thanks to Paul Romano who led the History and Heritage Committee, as an ASCE National Historic Landmark.

In retrospect, the above accomplishments demonstrate the exemplary cumulative work of our passionate and hard working members. These accomplishments of course do have some monetary impact to our Sections budget, which has continued to be kept on track by our long standing treasurer, Dawn Penniman.

By the time my words are read by our membership, the proverbial baton of presidency will be passed to our incoming new President and supporting Board members. I have the utmost confidence that this new leadership team will continue leading our Section into the future by advancing our civil engineering profession and serving the public good.

It is because of the longstanding efforts of our hard working members, previous Presidents and their supporting Board members that we have achieved the success we have today. Unfortunately, two of our current Board members who had contributed to our successes are moving away from the Syracuse area and chasing their dreams. Thanks to Zack Knight and Christie Bryz-Gornia for all your hard work and best of luck in your future endeavors.

In closing, I would like to personally thank all those whom have supported me with their time, talent, and friendship during my terms as President of the Syracuse Section.



Membership Update

By Christie Bryz-Gornia, EIT

As the Membership Committee Chairperson, I would like to send a special thanks to all of our membership. For an ASCE section with a membership count of less than 500, we have many members who enable dozens of successful events. These members not only include those of us who have planned the meetings and events, but also those of us who have been in attendance.

Now for the statistics: Approximately 40% of our Section has been a member for greater than 20 years. Approximately 33% of our Section is Younger Members (those members of age 35 or younger). Since 2011, our membership has increased by over 20%. This is much higher than our 2010 growth of 10% and 2009 growth of 5%!

I'd like to continue to encourage and commend our Section participation. Thank you to everyone who has recruited new members! Our section has a lot to offer its constituents and it is great to see so many people appreciating this resource of ASCE. I know I will surely miss everyone in my coming move!

CALL FOR SUSTAINABLE PROJECTS!

The Syracuse Section hosted the ASCE Region 1 Assembly meeting on April 14th and 15th at the Maplewood Inn in Liverpool. Twenty-eight members from the fourteen Sections that comprise Region 1 attended this bi-annual meeting. Topics of discussion at the Assembly including the upcoming ASCE Nation elections (<http://www.asce.org/About-ASCE/Governance/Elections/2012-Nominees-for-President>), Raising the Bar for Engineering (<http://www.asce.org/ProgramProductLine.aspx?id=7058>), Sustainability (<http://www.asce.org/ProgramProductLine.aspx?id=7085>) and general assembly business.

ASCE is actively seeking sustainable projects to be profiled on the ASCE website. If you know of a project that might fit this profile, feel free to contact Brad Kubiak or visit the ASCE website for more information. There is an easy form to fill out online (<http://www.asce.org/sustainabilityprojectform.aspx>).

Also, check out the updated Institute for Sustainable On Infrastructure website (<http://www.sustainableinfrastructure.org/>) where Envision™ 2.0 was recently launched. This sustainable infrastructure rating system was founded by ASCE, ACEC, and APWA. Do you have a project you want rated? Check out the website for more information.



Top Photo: Attendees of the April 2012 Region 1 Assembly Meeting in Syracuse



Photo at Left:

(from left to right) Shawn Kelley, Region 1 Governor from Vermont Section; Mark Rusnica, Region 1 Director from Mohawk-Hudson Section; and Blaine Leanoard, ASCE President-Emeritus

Photos Courtesy of Brad Kubiak, PE

Younger Member Group Update

By Seth Livermore, PE

The Syracuse Section Younger Member Group (YMG) had another successful year in 2011-2012. The YMG sponsored a variety of events including a fall wine tour along Cayuga Lake, several happy hours, professional development presentations and attending a Syracuse University Basketball game. Through collaboration with younger members in other professional societies, the YMG was also able to participate in several other events, such as guided tours of both the Onondaga Creek Walk and Honeywell Groundwater Treatment Plant.

As the summer quickly approaches, the YMG remains hard at work planning events for 2012-2013 including our first event of the year, a camping trip to the Adirondack Park. In response to the feedback we received from members, we're organizing a weekend camping trip for late July. Weekend activities will include kayaking, hiking and other outdoor activities. Keep an eye out for more information on this and other future events on the Section's new website events calendar and monthly email.

We encourage YMG members to contact us with ideas and suggestions for events. For more information, please contact Seth Livermore, YMG Chair, at slivermore@beardsley.com.

ASCE SU Chapter Recent/Upcoming Events

Provided by Matt Millias, PE

February 23, 2012 - Engineers Week Playing Card Towers Competition

April 20, 2012 - Construction Tour of the 1055 E. Genesee St. Apartment Complex (For SU Grads)

Future Nature Trail Rebuild at a Local Preschool - Meetings (ASCE SU Chapter and the American Institute of Architecture Students) on Sundays 6:30PM Slocum first floor to work on safety features, a tree house, and a bridge.

Congratulations to the 2012-2013 ASCE SU Chapter Executive Board:

President: Andrea Butchko

Vice President: Jenna Testa

Secretary: Nat Tangpipith

Treasurer: Brian Woods

Historian: Shea Tomlinson

Faculty Advisor: Dr. Lui

SUNY ESF EWB Update

By Jonas Balistreri, EIT

The SUNY-ESF chapter is wrapping up their project for delivering clean water to Buena Vista, Honduras with a final implementation trip this summer. Looking forward, the Chapter is working on a local composting toilet project, assisting the Professional chapter on a local project to help clean Lafayette Beach in Lafayette, NY, and working on a pico-hydro and sand filtration systems for Cuzco, Peru. The Chapter recently had their annual fund-raising hike at Amberations Nature Park in Marietta, NY and hosted a benefit dinner, "Engineers with Appetites".

Engineers Without Borders: Syracuse Professional Chapter Update

By Chuck Brooks, PE

The Syracuse Professional Chapter saw some reorganization during the past year as well as the initiation of its first project. Administrative work is underway to gain EWB project approval for a storm water management project for the Holy Innocents Children's Hospital (HICH) in Uganda. Currently, ponding water on the site is creating a mosquito problem leading to health issues such as malaria. Included in this project, the EWB Syracuse Professional Chapter intends to include rainwater harvesting and other sustainable water management projects that would enhance the quality of life of the patients as well as the staff.

There are numerous opportunities to get involved locally, with the HICH project, the student projects, as well as other local volunteer opportunities. Currently, the EWB Syracuse Professional chapter is looking for a technical lead as well as other team members (both travelling and not travelling) to get involved with the HICH project. There are also numerous mentorship opportunities. ASCE members are always welcome at chapter meetings. So, get involved!

For more information, please contact info@ewbsyracuse.org.



Completed EWB Project (Kitchen/Dining Hall at Kenyan Orphanage); Courtesy of Chuck Brooks, Jr., PE

Syracuse University EWB Update

By Chuck Brooks, PE

The Syracuse University chapter wrapped up the design phase of a kitchen/dining structure for Into Abba's Arms orphanage in Kenya. Several ASCE members were involved in this process with design help from C&S Engineers and Stopen Engineering. The student team traveled to Kenya in August for the initial construction visit accompanied by Chuck Brooks, P.E. and his wife, Janet. During this visit, the students learned how to tie rebar, build formwork, and were able to view concrete placement methods somewhat different from what we are used to in the United States. Construction of the building was completed in April 2012. The new kitchen/dining facility is now open for business and filling a community need in feeding over 35 local orphans.

Younger Member Group Kickball 2011

By Patrick Fallon, EIT

2011 was a great season for ASCE sponsored kickball. We welcomed a couple of new ASCE members to the team and unfortunately said good-bye to a few as well. Our new additions were definitely an asset and helped the Dam Dirt Hero's become champions of the Tuesday Night Kickball league in the spring with a 9-1 overall record. The competition became stiffer during the summer league and we left the regular season with a 5-2 record and fell just short of winning a second championship and ending with a record of 7-3. Despite our loss in the summer season, we still consider our season to be a great success! We networked with other engineers, made friends with new teams, and enjoyed the sponsorship that ASCE had graciously offered us for another year. Thank you, ASCE!

YMG Enjoys Big East Basketball

By Seth Livermore, PE

On February 8th, the Younger Member Group sponsored a happy hour at Chuck's Cafe, followed by attending the SU basketball game against the Georgetown Hoyas. The Orange pulled off a narrow victory, defeating the Hoyas 64-61 in OT. As in years past, the SU basketball game was one of the YMG's most popular events. With such success, the YMG plans to attend a game or two in the 2012-2013 season.



SU vs. Georgetown NCAA Basketball Game; Courtesy of Lauren Livermore, PE



(ASCE at the 2011 NYS Fair; See p.7)

Photos Courtesy of Dan Borcz, EIT



Outreach at the 2011 NYS Fair

By Dan Borcz, EIT

What better way to reach out to the community than to maintain a booth in the 4H building during the last 4 days of the New York State Fair (September 2nd – 5th 2011)! Our goal was to explain to the next generation what engineers do, get them excited about civil engineering, and encourage them to keep up with their math and science classes. Volunteers discussed some of their experiences and shared why they chose to practice civil engineering. Activities this year included a penny boat & gumdrop/toothpick tower building competition (with ASCE freebies for the winners) and a liquefaction & carbon-tube filter demonstration.

The Fair booth is our biggest and most effective outreach event of the year. A special thanks to the more than 25 volunteers who made this event a success! The 2012 State Fair committee is just starting to form – watch your e-mail this summer for more information!



An ASCE volunteer measures the height of one gumdrop structure; Courtesy of Dan Borcz, EIT

Sponsorship of Science Fair at OCC By Dan Borcz, EIT

The Section continues to support Science, Technology, Engineering & Math (STEM) education with our ongoing categorical sponsorship of the Dr. Nelson Ying Tri Region Science and Engineering Fair (Ying TRSEF). The Ying TRSEF opens the door to pre-collegiate science and engineering research for youth in grades 5-12 in 24 upstate New York counties. This year's event took place on March 18th at Onondaga Community College in Syracuse. To find out more about the Ying TRSEF please visit www.YingTRSEF.org

Spring 2012 North Country Meeting

By Dan Borcz, EIT

Congratulations to the ASCE Student Chapters of Clarkson University and SUNY Canton as they hosted the 2012 Upstate New York Student Conference this year (see article and photos on p. 9)! This multi-day event (April 19th – 21st 2012) attracted universities from around the Upstate New York Region, including one from as far away as Canada! Events included the Steel Bridge and Concrete Canoe Regional Competitions and the annual ASCE meeting. This is a great opportunity for students to go beyond the classroom and compete in engineering- based events showcasing the design and fabrication of projects.

Congratulations to this year's Regional winners – SUNY Canton won the Steel Bridge Competition and ÉTS (École de technologie supérieure, Montreal Canada) won the Concrete Canoe Competition. The winners will advance on to compete at nationals! Congratulation to all the universities who participated and made this event a success!

Annual Golf Tournament Update

The 2011 ASCE Annual Scholarship Golf Tournament was a huge success thanks to the membership and a host of great sponsors. The 10th Annual Golf Scramble was held on June 24th at Sunset Ridge GC in Marcellus. There were over 120 participants in attendance on a beautiful summer afternoon. Over \$8,300 was raised for the ASCE scholarship fund. The winning team of the first flight was Team Brierley, which consisted of Mitch Carmody, Doug Rainbow, and Chris Davis. The winning team of the second flight was CDM – Bob Kukenberger, Steve Hoffman, Dick Flannigan, and Bob Albright.

The 2012 Golf Tournament will be held on June 22, 2012 at the same location. Register your 2012 team(s) TODAY! You can register and pay online at www.ASCEgolf.com.

For more information, contact:

Dawn Penniman 671-9229 dawn.penniman@arcadis-us.com

Lance Ketcham 671-9163 lance.ketcham@arcadis-us.com

Carrie Shepard 434-8885 cshepard@brierleyassociates.com



ASCE President Brad Kubiak, PE presents trophy to Mitch Carmody
(Courtesy of Dawn Penniman, PE)

11th Annual Golf Scramble

SPONSORED BY
PEAK ENVIRONMENTAL, LLC
Sunset Ridge, Marcellus
Friday, June 22, 2012

ENTRY FEES:

- ★ \$400.00 per team
(\$100.00/person)
(\$40 dinner only)
- ★ **Includes:**
Green fee, golf cart, lunch at
the turn, & Chicken,
Ziti, Prime Rib Dinner.
(Gift bags provided to all golfers)

SUNY Canton Student Chapter Update

By Tom Horth, PE

The SUNY Canton Student Chapter's Steel Bridge Team is fresh off their 1st Place Finish in the ASCE Upstate NY Regional Competition held April 19-21, 2012 in Canton and Potsdam. The event was co-hosted by SUNY Canton and Clarkson University. The celebration was short-lived, as the team prepares for the National competition to be held at Clemson University on May 25-26, 2012. Good Luck!

Congratulations go out to Joshua Beyer, a senior in the Civil & Environmental Engineering Technology program at SUNY Canton, as one of this year's scholarship award winners.



Fall 2011 North Country Meeting

By Dan Borcz, EIT

The 2011 Fall North Country Meeting was held on November 18th at Clarkson University. Cheyenne Dashnaw of Atlantic Testing Laboratories gave an informative presentation on “Hazardous Materials Surveys and PCB’s in Caulk” and the student chapter of ASCE & the civil SPEED (Student Projects for Engineering Experience & Design) teams also provided a brief update. After the meeting everyone went to watch the Golden Knights hockey team battle Harvard University.

Congratulations to the 2011 ASCE Scholarship Award Winners:

- Erin Zeqja (Syracuse University)
- Steven Herman (Syracuse University)
 - Anthony Ragosta (SUNY IT)
- Alexander Hango (Clarkson University)
 - Joshua Beyer (SUNY Canton)

(The scholarship fund is maintained through donations and the success of our annual golf tournament. Scholarship applicants must be members of an independent student chapter registered nationally with ASCE within the jurisdiction of the Syracuse Section and involved with ASCE activities.)

2012 ASCE Legislative Fly-In

By Matt Henderson, PE

It had been a while since I had actually done homework. But before attending this year’s Legislative Fly-In Program, ASCE encouraged me to be prepared to discuss and present issues in Congress that affect civil engineering. I knew I had brush up.

ASCE annually hosts an exhaustive two-day program that provides participants with an exclusive look at the political process in Washington, D.C. On March 20, 2012, I was one of more than 160 ASCE leaders to set foot on Capitol Hill. I held the responsibility of representing the Syracuse Section of the ASCE. Even more reason to do my homework.



Secretary Ray LaHood addresses ASCE members during the 2012 Legislative Fly-In , Courtesy of Matt Henderson, PE

Prior to leaving for the nation’s capital, I spent some time familiarizing myself with the ASCE Policy Statements, the 2009 *Report Card for America’s Infrastructure*, and ASCE’s *Failure to Act* series. Still rather anxious, I headed for Washington to represent my fellow Central New Yorkers.

From March 20 to 22, I attended briefings on transportation authorization, natural hazards mitigation research, and civil engineering issues pending in Congress. United States Secretary of Transportation Ray LaHood came to speak with us about the current transportation bill being considered by Congress.

My fellow ASCE colleagues and I were trained on petitioning and then visited more than 350 Congressional offices to educate and lobby elected officials and their staff on these issues.

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Other ASCE colleagues from New York and I met with New York Senator Charles Schumer's and New York Senator Kirsten Gillibrand's legislative staff on these issues. Both Senators are very supportive of federal investment in road and infrastructure and their staff was appreciative of us taking the time to speak with them. We really must have made an impact on Senator Schumer's office because the next day, the Senator issued a press release calling for passage of the surface transportation bill, declaring, "Keeping our roads and bridges in top shape is essential for public safety, for businesses and communities that rely on them, and is the right thing to do for our economy."

I learned is that, as civil engineers and stewards of our country's infrastructure, it is important to speak up and contact our federal, state, and local representatives regarding the importance of investing in our nation's infrastructure (such as water and wastewater, electricity, and surface transportation). We learned that many representatives never hear from their constituents or engineers in their states or districts when legislation on infrastructure initiatives or funding arises.

If you would like to become involved in issue advocacy, please visit www.asce.org/keycontacts to become an ASCE's Key Contact. ASCE's Key Contact Program is the ASCE's grassroots advocacy program. Through the Key Contact Program, members can learn about public policy issues important to the civil engineering profession and help advance the priorities of the profession through interaction with elected leaders. In other words, you will have to do your homework.

To learn how to contact your representatives, please visit www.asce.org/clickandconnect.

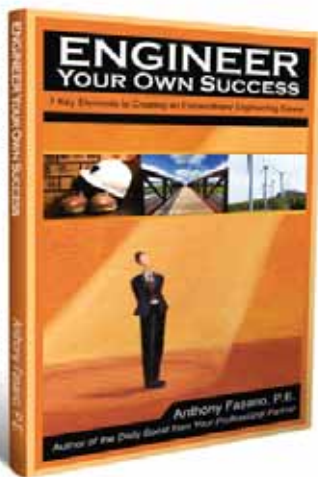
"Engineer Your Own Success"

By Christie Bryz-Gornia, EIT

On February 13th, the Younger Member Group held a joint presentation with the Syracuse University ASCE Student Chapter titled "Engineer Your Own Success." Anthony Fasano, P.E., CEO of Powerful Purpose Associates, geared the presentation around his recently released book with the same title. Mr. Fasano discussed various topics including: developing the ability to network, obtaining the right credentials, finding a mentor, becoming an effective communicator, setting clear goals and leadership development.

Mr. Fasano has become an invaluable resource to many of the members of the Syracuse Section via coaching,

career development instruction, etc. Some may remember Mr. Fasano's visit in 2010 to present tips to "Take Your Career Wherever You Want to Take It" or the 2011 free webinar series entitled "Communication." This webinar series taught participants how to effectively communicate with clients, coworkers, and supervisors. Mr. Fasano was generous enough to sign books and offer a discount to those attending the presentation. Check out his company web site (<http://www.powerfulpurpose.com/>) or his coaching website (<http://www.engineersuccessprogram.com/>) to learn more about his engineering career development services and training program, and visit Amazon.com and purchase a copy of his book.



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Central New York Geo-Institute

By Ray D'Hollander, PE

The Geo-Institute of ASCE authorized the formation of the CNY Geo-Institute in January, 2012. This local chapter of the Geo-Institute is in the process of being organized. If you would like to participate in a leadership position, please contact Ray D'Hollander at ray.dhollander@parsons.com or (315) 552-9683.

All current Geo-Institute members in the Syracuse Section are members of the CNY Geo-Institute. All ASCE members are eligible to belong to one ASCE Technical Institute at no additional charge as part of their annual ASCE dues. The Syracuse Section Board of Directors encourages you to check the box of your institute of choice when you renew your ASCE membership each year.

The Geo-Institute of ASCE was formed in 1996 and has over 11,000 individual members and more than 60 organizational members. The CNY Geo-Institute is eligible to participate in Geo-Institute activities, including the annual Cross-Country Lecture series. The CNY Geo-Institute will also be another forum to participate with the excellent civil engineering universities in Central and Northern New York.



Bill Morrow Presenting at 2010 PDH dinner meeting;
Courtesy of Christie Bryz-Gornia, EIT

Bill Morrow of Parratt Wolff in East Syracuse has relocated to the company office in North Carolina. Bill hosted as well as presented at several PDH dinner events. He has been an avid supporter of Syracuse ASCE events and the scholarship fund and will be missed. Congratulations and Good Luck, Bill, on all of your future endeavors!



Spearheaded by Natalie Meneilly, friends and members of ASCE participated on a wine tour around Cayuga Lake in Fall 2011.

(Photo courtesy of Dawn Penniman, PE)

Now that's
a great
idea:

Setup an Outlook
Calendar Reminder
to renew your ASCE
membership annually!

You may renew your
dues online at
[www.asce.org/
renewal](http://www.asce.org/renewal), or call our
Customer Service Department at 1 (800)
548-ASCE (2723) or +1
(703) 295-6300
(International), Monday - Friday, between
the hours of 9:00
a.m. - 6:00 p.m.,
E.T., or mail in your
payment to ASCE
Membership Department,
P.O. Box
79084, Baltimore, MD
21279-0084.

SYRACUSE SECTION HISTORIC ENGINEERING LANDMARK PROGRAM

By Paul Romano, PE

The Syracuse Section of ASCE is now launching its own "Local Historic Civil Engineering Landmark" initiative! The purpose of this program is to recognize historic structures/facilities in our region which represent an achievement of civil engineering. The Section is currently reaching out to local engineering firms, regional authorities, municipalities, state agencies and historic societies to help identify and designate local civil engineering works that have made a significant contribution to the development of our region and to the profession of civil engineering. The Syracuse Section covers the counties of Cayuga, Onondaga, Oswego, Oneida, Jefferson, Lewis, and St. Lawrence.

Our local program will mirror ASCE's national program to recognize National Historical Civil Engineering Landmarks. As such, we are using the same criteria to establish the landmark's local/regional historic significance which are as follows:

- The nominated project must be of civil engineering significance on a regional or state level. Size or technical complexity of design or construction is a consideration but it should also represent a facet of civil engineering history, but it does not have to be designed or constructed by a civil engineer.
- Projects should have some special uniqueness (e.g., one of the first projects constructed); or have made some significant contribution (e.g. one of the first projects designed by a particular method); or utilized a unique or significant construction or engineering technique.
- Projects should be generally available to the public view, although safety considerations or geographic isolation may restrict access.
- Nominated projects should be at least 50 years old from the substantial completion.

We believe this program will encourage our local civil engineers to become more aware of the history and heritage of their own profession and increase appreciation by the public of civil engineering contributions to the progress and development of our region. The program will also encourage, where appropriate and feasible, the preservation of significant historic civil engineering landmarks and provide a list of structure/facilities that may eventually be eligible for designation on a national level.

Local Historical Civil Engineering Landmarks will receive a plaque from the Syracuse Section of ASCE and recognition on the Section's web page. The Section will also organize, with the facility's owner, a landmark dedication ceremony.

2011 CNY Expo

By Tom Horth, PE

The 2011 CNY Engineering Expo had another fantastic turnout with over 340 people in attendance! The event, held at the Holiday Inn in Liverpool on November 14, 2011, featured a variety of technical presentations from our talented professionals right here in Central New York. Each presentation offered continuing education credits for licensed engineers. This year's keynote presentation featured the Onondaga Lake Remediation Project. ASCE is a proud supporter of this event and thanks its membership for their patronage. Other participating organizations include IEEE, ASME, SFPE, and NSPE.

The 2012 CNY Expo is scheduled for November 12, 2012. Save the date!!

UTICA MEMORIAL AUDITORIUM

By Paul Romano, PE

On August 30, 2011, the Utica Memorial Auditorium was recognized as an ASCE National Historic Civil Engineering Landmark. The Syracuse Section of ASCE was the nominating section for the award and members of the Board were on hand at the dedication ceremony.



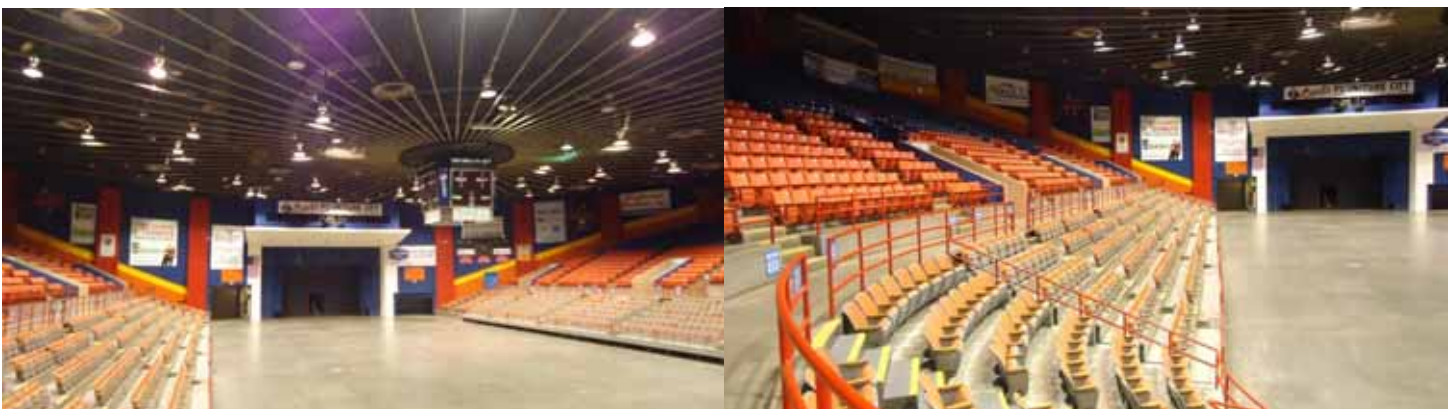
The Utica Memorial Auditorium, completed in 1960, is one of the very first cable suspended, long-span roofs in the world and the first to employ a restrained, two-cable method, which was later referred to as a "double layer bicycle wheel roof system." The two-cable system concept utilizes upper and lower cables of different tensions connected by rigid vertical struts. By connecting cables of differing natural frequencies, the roof system is able to dissipate wind-induced fluttering because two cables oscillating at different harmonics would not vibrate. The design was one of the early achievements

of famed structural engineer Lev Zetlin who went to complete several other significant projects including the 1964 World's Fair "Tent of Tomorrow" with architect Philip Johnson. Lev Zetlin's cable roof design has influenced many other tensile structures including Madison Square Garden, Seoul Olympics Gymnastics Venue, Tropicana Field and the Georgia Dome.



The designation is granted to projects, structures, and sites in the United States (National Historic Civil Engineering Landmarks) and the rest of the world (International Historic Civil Engineering Landmarks). As of 2011, there are 254 landmarks included on the list. Sections or chapters of the American Society of Civil Engineers may also designate state or local landmarks within their areas.

Photo at top: c. 1960 Courtesy of Paul Romano, PE; At center and below: c. 2011 Courtesy of Tom Horth, PE



ASCE Report Card for America's Infrastructure

By Matthew Henderson, PE

ASCE introduced the first Report Card for America's Infrastructure in 1998. The Report Card Program examines the condition of our nation's infrastructure, performance, funding, and capacity versus need.

The following areas are evaluated by ASCE and other technical and industry experts:

| | | |
|----------------|-----------------------------|-------------|
| Aviation | Hazardous Waste | Roads |
| Bridges | Inland Waterways | Schools |
| Dams | Levees | Solid Waste |
| Drinking Water | Public Parks and Recreation | Transit |
| Energy | Rail | Wastewater |

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A Message from... the National ASCE Manager of State Public Relations:

If you're not already aware, in July 2011, ASCE released its first-ever report on how the U.S. economy and family budgets will fare if America fails to fund surface transportation improvements. The report, "[Failure to Act: The Economic Impact of Current Investment Trends in Surface Transportation Infrastructure](#)," clearly shows that we are at a fork in the road; it paints a picture of a very different America in the next 10 to 30 years – and it's not a pretty picture.

If investments in surface transportation aren't made, families will have a lower standard of living, businesses will be paying more and producing less and our nation will lose ground in a global economy.

However, the report does tell us what we need to do to go from transportation deficient to transportation sufficient. So, what can you urge your members to do? ASCE has many resources and tools to help raise the grades on America's failing infrastructure. With as little as five or 10 minutes, you can make a difference.

Please consider:

- [Contacting your legislator](#) and urge them to support infrastructure investment.
- Join ASCE's [Key Contact Program](#); it helps make contacting legislators easier.
- Write a brief article with a local angle for the opinion page of their local newspaper – for help with this, check out a recent [letter to the editor](#) published in the *Pittsburgh Post-Gazette* by ASCE's Pittsburgh Section in response to the report.
- Post a comment on a news site or blog calling attention to the report's findings.
- Join ASCE's online community for updates and inspiration:
 - Learn about [infrastructure concerns](#) in their region/state.
 - Check out the blog, [Our Failing Infrastructure](#).
 - Join our ["Save America's Infrastructure"](#) Facebook group.
 - Follow ASCE Government Relations on [Twitter](#).
 - Visit ASCE's Government Relations [You Tube](#) Channel.

For questions, comments or additional resources such as a sample blog post or fact sheet, contact:

Tracy Withrow
Manager, State Public Relations
American Society of Civil Engineers
1801 Alexander Bell Dr., Reston, VA 22191
703-295-6326, twithrow@asce.org

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Letter grades are assigned based on capacity, condition, operations and maintenance, current and future funding, public safety, and resilience. Finally, ASCE provides recommendations for improvement.

Since its inception, the Report Card Program has released report cards following each election year. The last report card, issued in 2009, had grades ranging from C to D-, with America's infrastructure receiving an overall rating of D.

Letter grades are not assigned to each state, but key infrastructure facts are established. New York State's top three infrastructure concerns are bridges, roads, and mass transit, and the following statistics were determined:

- 42% of New York's bridges are structurally deficient or functionally obsolete.
- 46% of New York's major roads are in poor or mediocre condition.
- 45% of New York's major urban highways are congested.
- Vehicle travel on New York's highways increased 41% from 1990 to 2007.

Bridges, roads, and mass transit are areas of concern nationwide, receiving grades of C, D-, and D, respectively. The total estimated 5-year investment needs for these areas are \$1.195 billion.

The Report Card issued in 2005 proved that New York's top three concerns were roads, bridges, and mass transit. Though the concerns have remained the same, the conditions are worsening. Previously, 38% of New York's bridges were structurally deficient or functionally obsolete; 35% of New York's major roads were in poor or mediocre condition; 34% of New York's major urban roads were congested; and vehicle travel on New York's highways increased 26% from 1990 to 2003 as New York's population grew 7% between 1990 and 2003.

A New York State report card is under development and planned for a late 2012/early 2103 release. If you are interested in helping out on the report card, please contact Steve Kaufmann of the Metropolitan Section of ASCE at (Kaufman@pbworld.com). In addition, keep your eye out for an updated National report card to be released in 2013.

Visit <http://www.infrastructurereportcard.org> to learn more about the Report Card Program.

(Background photo courtesy of Christie Bryz-Gornia, EIT)

142nd Annual ASCE Conference, Montreal, Quebec, October 18-20, 2012

By Ray D'Hollander, PE

Region 1 of ASCE has formed a local committee which includes Canadian Society of Civil Engineer Members to assist with the annual ASCE conference in Montreal, Quebec this October. If you or your organization are interested in volunteering at or sponsoring this event, please contact Ray D'Hollander at ray.dhollander@parsons.com or (315) 552-9683.

The theme of this year's conference is "Civil Engineering in the New Global Economy." Civil Engineering is co-evolving with the integrated global marketplace. Investigate how technology is spurring innovation and accelerating productivity, how global capital is impacting infrastructure construction, and how the global supply chain is affecting project delivery. Skills and knowledge of languages, laws and customs are needed to produce engineers capable of addressing global socio-technological problems in multi-national teams spanning cultural boundaries. Explore the impacts of outsourcing, off-shoring, and in-sourcing on civil engineers and their influence on business development.

Thank You to the 2011-2012 ASCE Syracuse Section Board Members and Officers!

Contact information is available on our website: <http://www.ascesyracuse.org/> (NOTE: This website address has changed from the original [http://sections.asce.org/syracuse/!](http://sections.asce.org/syracuse/))

Please feel free to contact anyone listed here with ASCE questions or interests.

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Consider Joining an ASCE National or Local Committee!

Each year, thousands of civil engineering professionals participate in ASCE National's more than 600 committees (www.asce.org/committees). By volunteering their technical and professional expertise, these individuals help support the Society's vision and mission and advance the practice of civil engineering. Likewise, the Syracuse Section has numerous committees and is always open to assisting members in starting new committees or institutes.



The Syracuse Professional Section of the American Society of Engineers
Engineers as global leaders building a better quality of life.

CONGRATULATIONS & THANK YOU TO EVERYONE WHO MADE THIS AWARD POSSIBLE

ASCE AMERICAN SOCIETY[®]
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*Presents the
Outstanding Section and Branch Award*

To The

Syracuse Section

For The

Small Section and Branch Membership Category

January 21, 2012



Q. W. Herrmann

Andrew W. Herrmann, P.E., F.ASCE
President ASCE
2011-2012



Above: The 2011 Outstanding Section and Branch Award

At Right: Ray D'Hollander accepts the ASCE Syracuse Section award at the 2011 Regions 1, 2, 4 and 5 Multi-Region Leadership Conference in Nashville, Tennessee

(Photos Courtesy of Ray D'Hollander)



Mark Your Calendar With These Important Deadlines!

Award descriptions can be found online at <http://www.asce.org/leadership-and-management/awards/>

June 1:

- Nomination Deadline for Outstanding Projects And Leaders (OPAL) leadership awards
- Nomination Deadline for Outstanding Civil Engineering Achievement (OCEA) Award
- Nomination Deadline for Charles Pankow Award for Innovation
- Nomination Deadline for Henry L. Michel Award for Industry Advancement of Research, Sustainability in Civil Engineering Award

August 15:

- Nomination Deadline for Arthur Casagrande Professional Development Award
- Nomination Deadline for Construction Management Award
- Nomination Deadline for Martin S. Kapp Foundation Engineering Award

Oct. 30: Nominations due for the Outstanding Section/Branch Award

Oct. 31: Nominations due for the Workshops for Section and Branch Leaders

Nov. 1: Nomination deadline for Society Awards:

- | | | |
|-----------------------|-------------------------|-------------------------|
| • Bartholomew, | • History and Heritage | • Peyton |
| • Bechtel Pipeline | • Hoffman | • Reese |
| • Bechtel, Jr. Energy | • Howard | • Rickey |
| • Bickel | • International Coastal | • Roebing |
| • Biot | • Laurie | • Rowland |
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| • Cermak | • Masters | • Smith |
| • Columbia | • Middlebrooks | • Surveying and Mapping |
| • Computing in CE | • Mindlin | • Turner |
| • Duke | • Moffatt-Nichol | • von Karman |
| • Freudenthal | • Moisseiff | • Winter |
| • Halpin | • Newmark | • Wisely |
| • Hardesty | • Peurifoy | |

Jan. 15: Nomination deadline for Walter LeFevre Award

Feb. 1:

- Nomination deadline for Collingwood Prize Edmund Friedman Young Engineer
- Nomination deadline for Daniel Mead for Younger Members
- Nomination deadline for Younger Member Group Award

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