Well, it’s October. The leaves have peaked, there is a chill in the air and for some parts of the Upstate Section the white stuff has already made an appearance. Where has this year gone? The 2015 construction season is coming to an end and we are starting to see familiar faces back in the office, wrapping up the season’s field work, and/or construction administration. Over the next couple months, leading into 2016, I ask that you look around your office to your fellow employees for future new members of ITE. Share your experiences with ITE and what the organization has to offer. New members can sign up on-line at the following link:

http://ecommerce.ite.org

I would like to take this opportunity to congratulate Jenn Yonkoski for being elected the 2016 Section Treasurer. This year, as in years past, we were fortunate to have two very deserving candidates. Jenn will be a great addition to the Section’s Executive Board in 2016. Welcome to the Board Jenn.

The annual Section meeting was held on October 1st and 2nd at the Hilton Garden Inn in Buffalo. Once again this was a great event to collectively meet with fellow Section and student members, take in some great technical sessions focused on Urban Repair, and earn PDH credits. We had 40 attendees, including eight University at Buffalo students. Seven technical sessions and a dinner speaker provided the opportunity to earn 8.5 PDH. A very large thank you goes out to Jeff Lebsack, the Section’s Past President and 2016 Director, for chairing/hosting this successful meeting as a follow-up to this year’s District meeting and his continued dedication to the Upstate Section. Great job Jeff; it sure has been a busy year for you.

SAVE THE DATE

25th Annual Transportation and Planning Symposium
Latham Century House
November 3, 2015

http://itenyupstate.org/

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The INTERCHANGE

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Also find us at: www.itenyupstate.org

Welcome New Members

The ITE NY Upstate Section is proud to welcome our newest members. Below is a list of members that have joined the Section since our last publication. We look forward to meeting you at our next event!

Michael Montalto, E.I.T.
E. Costich Engineering

Thomas Sullivan

Holiday Mixers

The holiday season is coming up fast! An email will be circulated shortly that will provide details on upcoming events in your area. Take this opportunity to get out and mingle with your fellow professionals!

Student Scholarship Award Recipient
Thank You Note

ITE of Upstate NY,

I would like to sincerely thank anyone involved in making this scholarship a possibility for students every year. I also want to thank those that chose me as the 2015-2016 scholarship recipient. The scholarship has helped make my future attainment of a Bachelor’s degree from RIT a reality.

Thank you,
Kaitlyn Coldwell
The 2015 NY Upstate Section Annual Meeting was held on October 1st and 2nd in the heart of downtown Buffalo at the new Hilton Garden Inn at Lafayette Square. The theme of the Annual Meeting was “Urban Repair”, and the newly repurposed hotel located on the transforming Main Street was the perfect setting for attendees to discuss the opportunities for transportation to contribute to urban revitalization. The technical sessions and tours all focused on projects that are reviving urban areas by creating vibrant “complete streets” and sustainable transportation systems.

The opening session of the conference highlighted the future of transportation, with students and faculty from the University at Buffalo Civil, Structural, and Environmental Engineering presenting their research on using “big data”, social media, and other technologies to address transportation safety and operations. Following lunch, attendees learned about the signalization challenges associated with allowing cars to “share the rail” on the reconstructed portion of Main Street that is returning vehicular traffic to downtown Buffalo, which had been a pedestrian and transit mall. Attendees then had the choice of joining a walking tour of the Main Street reconstruction or hearing about transit improvements in Syracuse, Rochester, and Buffalo.

The Annual Awards dinner was held at the recently renovated Hotel Lafayette, just across Lafayette Square from the Hilton Garden Inn. Justin Booth of Green Options Buffalo gave a presentation on the Buffalo Bicycle Master Plan, and Mark Budosh received the David H. Bulman Leadership Appreciation Award for his outstanding leadership during the past year.

On a chilly Friday morning a few brave engineers joined Justin Booth for a bicycle tour to see first-hand the improvements being made to Buffalo streets to accommodate cyclists. The less adventurous attendees heard about the award-winning project to transform Fillmore Avenue in Buffalo. The final session of the Annual Meeting featured engineers, landscape architects, and public officials offering lessons learned about incorporating green stormwater features in street projects.

The following firms were sponsors of the Annual Meeting, and their support is greatly appreciated! Their financial contributions allow the Section to keep registration fees down so more members can participate in the event.

(Continued on page 5)
Future City Competition Mentors Needed

futurecity.org

Inspire the Future:
Be a Future City Mentor!

Mentors make connections to real-life experiences, serve as a technical coach, and help students translate the academic to the real world of engineering.

What is Future City?

The Future City Competition is a transformative, project-based learning experience that asks 6th, 7th, and 8th graders to imagine, design, and build cities of the future. Student teams spend four months:

• developing a virtual city (using SimCity),
• researching a city-wide issue and designing a solution (this year’s challenge— Waste Not, Want Not— asks students to design a waste management system for their city that is safe, environmentally sound and energy efficient), and
• building a scale model of their city. In January teams present their vision to a panel of volunteer judges.

Future City is a powerful tool that strengthens students’ 21st century skills, teaches them citizenship, motivates them to study math and science, and introduces them to potential careers.

Mentor Role & Commitment

Working with the team’s educator (a teacher, parent, or afterschool leader) the Future City mentor provides advice, guidance, and technical assistance as students develop their city.

You may interact with your team in person, via email, or even via skype! Ideally mentors volunteer an hour a week with their teams. Typically mentors dedicate at least 12-14 hours between September and January.

In the early weeks, you’ll meet with the team to get to know the students and focus them on the big picture: good urban design, an overview of the essay topic, and brainstorming possible solutions. Later, you may help students establish a scale for their model and work with them to polish their presentation.

Your students may compete in their regional competition and if they win, you’ll join them for the National Finals in February in Washington, DC!

Who makes a good Future City mentor?

Anyone who works in the engineering community — including engineers, technical professionals, architects, and city planners — would be a great Future City mentor.

We think you’ll enjoy it, too! Last year, 98% of mentors said they’d recommend Future City.

Contact Information Provided on Page 5
Tips and Trends in Transportation
Compiled by Jim Harris, TSOS, MITE
with contributions from
Martin Bretherton, P.E., FITE, and
Vishal S. Kakkad, P.E., PTOE, MITE

2014 Traffic Safety Culture Index
The AAA Foundation has released its seventh annual report that summarizes survey results about topics such as drivers' personal exposure to crashes, impaired driving, and cell phone use.
Read more...

Data and Statistics for Valuing Transportation Infrastructure and Transportation's Contribution to the Economy
Read more...

Safety Evaluation of Diverging Diamond Interchanges in Missouri
The Missouri Department of Transportation has released a report that discusses a safety evaluation at the project-level (interchange) and the site-specific level (ramp terminals) of diverging diamond interchanges using three types of before and after evaluation methods.
Read More...

Beyond Traffic: US DOT's 30 Year Framework for the Future
The U.S. Department of Transportation has released an initial report that outlines the trends that are likely to shape the needs of the United States' transportation system over the next three decades. This report, which will finalized later in 2015, is designed to facilitate a national conversation about the future of the U.S. transportation system and to objectively frame critical policy choices.
Read more...

Why Some Parklets Work Better Than Others
A detailed new report out of Philadelphia finds the type of businesses closest to a parklet play a key role in their success.
Read more...

What maps will look like when we need cars to read them
The Google map on your smart phone is a passes you the information, and you actually do something with it. In a future when driving becomes more automated, maps will be read by cars.
Read more...

Future City Mentors
(Continued from Page 4)
For more information or to get assigned to a team, contact the regional coordinators:
Capital District
Visit our website: http://futurecity.org/new-york-albany
Or contact Diane Bertok at dzehrfuhs@hotmail.com

Western New York
Visit our website: http://futurecity.org/new-york-western
Or contact Bonnie Rizzo at bonitarizzo@aol.com

Annual Meeting Recap
(Continued from Page 4)
Hatch Mott MacDonald (Gold)
Bergmann Associates (Silver)
Fisher Associates (Silver)
Watts Architecture & Engineering (Silver)
Stantec (Silver)
GPI (Silver)
CHA (Bronze)
Clark Patterson Lee (Bronze)

Many of the technical presentation materials will be available for download at the section website (www.itenyupstate.org).
Driverless Bus Pilot Hopes to Revolutionize Mass Transport in Europe

EURO NEWS—SCI-TECH

The city of Trikala, in central Greece, is the first in Europe to host a driverless bus in the city center. It is part of CityMobil2, an EU-funded pilot project to revolutionize mass transport and wean Europe’s cities off oil dependency over the next 30 years. Each in turn, five different sites are hosting the 6-month pilot project.

The idea is not to replace ordinary buses but to offer a mixed transport service, with improved transport in areas of low or dispersed demand.

“We have accidents, we have traffic jams, we have pollution, and this can be solved by public transport. Unfortunately, public transport with drivers cannot solve everything and the missing piece to solve all these problems are automated vehicles,” says Carlos Holguín, project manager of CityMobil2.

The buses, which are built by French manufacturer Robosoft, are 5 meters long and 1.5 meters wide and can carry up to 10 people. They travel at a speed of about 20 km/hour and run along a 2.4 km route.

The vehicles are equipped with an advanced GPS and a laser mapping system for localization and movement control. Laser and ultrasound technologies are used to detect obstacles.

Each bus is powered by twelve batteries, which need around two hours to charge.

“It runs on an electric motor. The position is provided by laser-guided GPS. We have mapped the city and the bus follows the planned route centimeter by centimeter. If it meets an obstacle along the way, it is equipped with a laser security system that makes it either slow down or stop altogether,” says head technician on the project, Vasilis Karavidas.

Local authorities have launched a public awareness campaign to inform prospective passengers and motorists, even though some chose to ignore the directives and use the specially equipped bus lane anyway.

In the control room, everything is recorded. In the event of a problem, traffic police are called in or an authorized driver is sent to move the bus.

Despoina Samara is taking her sons to their English class. They usually ride on their bikes, but today the kids wanted to try out the bus: “It is completely silent. The bell which warns you that the bus is coming is the only sound I remember hearing. It moves quite fast. I thought it would have been much slower. My children were impressed, it’s a very smooth ride,” she says.

While Trikala has a long-running cycling tradition, the driverless bus pilot project met with some opposition - some argued it took up precious car parking spaces. But the town’s mayor, Dimitris Papastergiou, defends his choice: “Our citizens didn’t accept it immediately, they felt uneasy, and I understand that. It caused disruption, we had to install fiber optic lines and dig the streets again. But they’re gradually changing their mind, because they can see that Trikala is making headlines for good reasons.”

The buses will leave Trikala at the end of February and the bus lane will be turned into a bike lane. The Spanish city of Leon is the next stop on the long road ahead to one day, perhaps, creating an efficient and clean public transport system in Europe’s cities.
FALL 2015

SAVE THE DATE

25th Annual Transportation and Planning Symposium

Latham Century House
November 3, 2015
http://itenyupstate.org/
Sunday, November 3, 2015

Century House
997 New Loudon Rd. (Route 9)
Latham, NY 12110

Sponsored by:

Albany Society of Engineers
American Society of Civil Engineers
American Society of Highway Engineers
Capital District Planners Association
Institute of Transportation Engineers
NYS Society of Professional Engineers

Schedule

7:30 Registration Begins
8:00 Session 1 – FHWA Training
FHWA NY Division Finance Director and NYS DOT will discuss Federal Aid Project Funds Management, and a NY Division Planner will present Making a Visible Difference in Communities: NY-NJ Partnership for Sustainable Communities.
(0.5 PDH pending and 1.0 CM proposed)
Speakers – James Griffin, FHWA
Diane Kenneally, NYS DOT
Karen Rosenberger, CHP, FHWA

9:00 Break
9:15 Session 2 – Patroon Island Bridge
Design highlights of the $146 million project to rehabilitate the Patroon Island Bridge carrying I-90 over the Hudson River and the I-90 / I-787 interchange.
(1.0 PDH pending and 1.0 CM proposed)
Speakers – David Vieni, P.E., HDR
Jeff Pangburn, P.E., Creighton Manning

10:15 Break
10:45 Session 3 – Construction Vibrations
An overview of vibration basics including ground motion, peak particle velocity, and the significance of frequency. A review of NYS DOT requirements, portable seismograph equipment and key elements of vibration monitoring specs.
(1.0 PDH and 1.0 CM proposed)
Speaker – Jim Scancarello, PE, ATL

11:45 Lunch

1:30 Session 4 – Re-establishing Albany’s Waterfront Connections
Connecting the City and the Hudson River is a challenge, particularly in an urban area traversed by an active railroad and interstate. This session will present trends and tips to accommodate motorists, bicyclists and pedestrians while highlighting a local project.
(1.0 PDH and 1.0 CM proposed)
Speaker – Robert Cartwright, PE, Stantec

2:30 Break
2:45 Session 5 – NYS DOT/Amtrak Rensselaer Station Fourth Track and Albany to Schenectady Double Track
Overview of the Empire Corridor improvements including a new station track and new loading platforms at Rensselaer, and 17 miles of a second main track with upgraded signals.
(1.0 PDH pending and 1.0 CM proposed)
Speakers – David Emerich, P.E., CHA
Morgan Moldoff, P.E., CHA

3:45 Break
4:00 Session 6 – Bus Rapid Transit in the Capital Region
CDTA’s BusPlus service is the first Bus Rapid Transit Line in Upstate New York. This session will highlight the next 23 miles of BusPlus currently in the planning and design stages in the Capital Region.
(1.0 PDH pending and 1.0 CM proposed)
Speakers – Ross Farrell, CDTA
Doug Teator, P.E, Creighton Manning
We invite you to participate as a corporate sponsor of the Transportation and Planning Symposium. For your sponsorship, we will:

- Display your firm’s name on a poster that will be placed at the registration table, in the meeting room, and at lunch.
- Publicly recognize your firm during conference announcements.
- Include your firm in the conference program.

Please check Corporate Sponsor in the registration form above and include $100 in your registration fee.

**Corporate Sponsors**

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Registration Deadline: **October 16, 2015**

Symposium Registration Form

- Name
- Company/Agency
- Address 1
- Address 2
- City
- State
- Zip
- Phone
- Email

**Two Registration Options:**

- Register and pay by credit card online: [http://25th-annual-transportation-and-planning-symposium.eventbrite.com](http://25th-annual-transportation-and-planning-symposium.eventbrite.com)
- Or mail registration form and check payable to: **Transportation Symposium**  c/o Ms. Chris Lilholt, P.E., PTOE CHA 3 Winners Circle, PO Box 5269 Albany, NY 12205

Vouchers and Purchase Orders will not be accepted.

The Transportation and Planning Symposium will be held at the **Century House**

997 New Loudon Rd., Latham, NY 12110

Call 518.785.0931 to reserve a guest room at the Clarion Hotel at the Century House.

**Directions to the Symposium**

From the South & West: NYS Thruway to Exit 24. Take I-87 north to Exit 7. Follow signs for Route 9, Latham. Turn right at the light onto Route 9 North. The Inn is one mile on the right.

From the North: Take I-87 south to Exit 7. Follow signs for Route 9, Latham. Turn right at the light on Route 9 North. The Inn is one mile on the right.

From the East: NYS Thruway to Exit B-1 (Berkshire Spur). Continue on I-90 west to Exit 1N. I-87 north to Exit 7. Follow signs for Route 9, Latham. Turn right at the light onto Route 9 North. The Inn is one mile on the right.

Questions regarding the Transportation and Planning Symposium may be directed to:

**Shelly Johnston, P.E.**
Creighton Manning Engineering, LLP  sjohnston@cmellp.com  518.689.1814

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**REGISTRATION FEE**

- □ Symposium  
  Includes lunch, breaks, PDH and CM fees  
  Select preferred lunch  
  □ Sirloin Steak  
  □ Chicken Marsala  
  □ Vegetarian - chef’s choice  
  □ No lunch – not staying  
- □ Student  
  Full-time students; select lunch above  
- □ Corporate Sponsor  
  $100

**Total**
Immediate Openings

Transportation Engineers/ Planners

Who We Are

SRF & Associates is a progressive consulting firm located in Rochester, NY specializing in Traffic Engineering, Transportation and Community Planning. Our philosophy speaks to our holistic approach to work and community building. ...

The greater purpose is more than moving traffic safely and efficiently. It is to help create a sense of place, to enhance livability, to help shape a community.

Who We Are Looking For

Excellent expansion opportunities exist in New York, Pennsylvania, North Carolina, and Ohio. Passionate and self motivated people require a degree in civil/transportation engineering, transportation planning, and 0-10 years of experience in related field.

Applicants experienced in Traffic Impact Analyses, Signal Design, Corridor Planning, Traffic Operations and Safety, and Active Transportation Planning are a plus.

Familiarity with common industry software including SYNCHRO, HCS, VISSIM, AutoCAD/MicoStation, GIS, Adobe In-Design Suite is preferable. Public speaking and engagement skills and experience composing technical and planning reports are highly desirable.

Opportunities

Full time and part time opportunities are available. SRF & Associates offers competitive salary & benefits. Please submit resume to info@srfa.net.
CIVIL PROJECT ENGINEER

At Clark Patterson Lee, our mission is to provide our clients with comprehensive design and construction services of exceptional quality and value while promoting both corporate and individual growth. Since our establishment in 1975, we have grown into a company with 13 offices and nearly 240 employees that work together, toward a common goal…to better serve our clients. Clark Patterson Lee is an equal opportunity employer.

Position Description:
We are currently seeking a Civil Engineer (E.I.T.) for our Buffalo, NY office. The position is considered to be entry level for professional work and the successful candidate(s) will perform assignments designed to develop professional work knowledge and abilities in a supportive and dynamic environment. You will work with experienced, licensed civil engineers and a team of multi-discipline corporate professionals on highway and bridge design; large site development projects; and various municipal projects/upgrades.

Responsibilities include the use of prescribed methods to perform specific and limited portions of a broader assignment, under the direction of an experienced engineer. An entry level civil engineer will be expected to utilize standard practices and techniques in daily work, able to adjust and correlate data; recognize discrepancies in results; and follow a series of related detailed steps or processes. Potential tasks include but are not limited to: creation of horizontal and vertical roadway alignments; planning and design of small/medium projects; data collection and analysis; preparation of maps and plans; assistance in inspections and evaluation of roads, bridges and other infrastructure; preparation of reports and forms; and design tasks associated with roadway, water and sewer infrastructure improvement projects.

Required Knowledge and Skills:
The position requires graduation from a 4-year accredited college with a BS in civil engineering and three to five (3 - 5) years of experience. A thorough knowledge of the principles of engineering, physics, and mathematics; working knowledge of construction, engineering practices, surveying and drafting instruments and equipment; good knowledge of construction specifications and their application to public works activities; ability to make moderately difficult technical computations and to compile engineering data; and the ability to understand and carry out complex technical oral or written instructions is important. Knowledge of MicroStation, InRoads, AutoCAD, Civil 3D, WaterCAD, SewerCAD, MathCAD, and Excel software, a plus. Knowledge of NYSDOT, NYSTA, and FHWA requirements also a plus.

Go to our home page at “clarkpatterson.com” to learn more about our Firm.

Contact hrinfo@clarkpattersonlee.com with questions or submission of resumes.