



Trenchless Technology Center *Newsletter*

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TTC Specialty Schools 2016



Gina Snyder, EPA, New England Assistance and Pollution Prevention was a keynote speaker at the Springfield Municipal Forum

TTC Utility Investigations School 2016

After introducing the TTC Auger Boring School in 2015, TTC is launching another specialty school this summer – the TTC Utility Investigations School (UIS). TTC teamed with the American Society of Civil Engineer's Utility Engineering and Surveying Institute to provide an intensive five-day course that will give attendees the knowledge and tools to provide competent utility investigations in accordance with accepted national standards. The course will cover, all in the context of ASCE-38, utility system configurations, geophysics for finding utilities, proper records research, achieving utility quality levels, project documentation, and more.

There has been little opportunity for instruction at the university level for practicing professionals and students in utility risk management for existing project development. Most post-graduate instruction to-date has been self-directed; most knowledge and information has come from on-the-job training, conferences, and introductory webinars or one-day overview classes by ASCE. This school is the first of its kind.

Jim Anspach, Founding Governor of ASCE's Utility Engineering and Surveying Institute, and Chair of ASCE-38 (Figure 2), has a special role in the development of this school. Anspach is a special advisor and instrumental in developing the curriculum and identifying the best instructors. "ASCE has recognized that Utility Engineering is a missing task discipline from our educational curriculum. One important aspect of that discipline, Utility Risk Management for Projects, is embodied in part through the use and proper application of the ASCE 38 Standard. Yet all too often, there is no avenue to learn the principles that govern the use of this standard," says Anspach. "I am delighted that TTC and ASCE have begun this series of educational opportunities for those professionals and others under their direct responsible charge."

At the end of this short course, students will receive five CEUs and a Certificate of Completion.

This is the first of several planned similar courses in other aspects of utility risk management such as Utility Coordination, Utility Relocation Design, Utility Asset Management, and more. The ultimate goal is to provide a path toward practicing in the field of Utility Engineering,

with all its myriad individual components. As our nation's existing underground infrastructure continues to age, become more congested, and dangerous to the public at large, Utility Engineering as an option of study and practice will continue to grow in importance.

Faculty for this school will consist of recognized experts in the field of subsurface utility engineering, applied geophysics, and utility system design and operation. National Academy of Science Investigators will be on hand to discuss new tools and processes developed under several different initiatives. Many types of geophysical instrumentation will be on hand, on loan from manufacturers for this school.

Instruction will be a mix of lecture and hands-on field work, followed by testing each day.

Who should attend? Engineers and surveyors providing deliverables that include results and depictions of utility investigations, employees of utility companies, state DOTs and local highway agencies, regulatory agencies, local governments, etc.

Registration for the school is ongoing. To find out more about the school and to register online, please visit the school web page ttcspecialtyschools.com/uis.

AT GLANCE:

School: TTC Utility Investigations School (UIS) 2016

Location: Ruston, La.

Time: Aug. 15-19, 2016 (Monday through Friday)

Cost: EARLY BIRD (June 1-July 15, 2016) \$1,445; REGULAR FEE (after July 15, 2016) \$1,559. Additional 10 percent discount for three or more attendees from same company.

Web site: ttcspecialtyschools.com/uis
(Link available on TTC main page).

Contact person: Jadranka Simicevic, TTC UIS Director,
(318) 257-2744, jadranka@latech.edu



James (Jim) Anspach, Founding Governor of ASCE's Utility Engineering and Surveying Institute, and Chair of ASCE-38 is a special advisor for the TTC UIS

TTC Auger Boring School 2016

The TTC will hold another auger boring school at the Louisiana Tech campus, Ruston, La., this fall. The program and instructors will be more or less the same as last year. Registration for the school starts in June. To find out more about the school and to register online, please visit the school web page ttcspecialtychools.com/abs

AT GLANCE:

School: TTC Auger Boring School (ABS) 2016

Location: Ruston, La.

Time: Oct. 3-7, 2016 (Monday through Friday)

Cost: SUPER-SAVER (until June 30, 2016) \$1,345; EARLY BIRD (July- August, 2016) \$1,445; REGULAR FEE (after September 1, 2016) \$1,559. Additional 10 percent discount for three or more attendees from same company.

Web site: ttcspecialtychools.com/abs (Link available on TTC main page).

Contact person: Jadranka Simicevic, TTC ABS Director, (318) 257-2744, jadranka@latech.edu

Municipal Forums Update

TTC Municipal Users' Forums Program continues this spring. The first forum was already held in Springfield, Mass., Feb. 11 and two others were in Denver on May 17 and in Bloomington (Minneapolis/St Paul area) on May 19.

The Springfield forum was hosted by Josh Schimmel, executive director of the Springfield Water and Sewer Commission (SWSC). In 2015, Schimmel contacted TTC after hearing about the municipal forums running in Boston for years and he asked if we could organize a forum at the SWSC facility. After many months of preparations and with the assistance from Gina Snyder, EPA, New England Assistance and Pollution Prevention, Matt Timberlake, Ted Berry Company Inc., and many others in the area, we finally held the forum in February. Snyder helped not only with the forum promoting but also with obtaining permissions to issue certificates to attendees. Springfield is located within driving distance from several neighboring states and we applied for authorization to issue PDH/TU certificates for water and waste water operators in six states. Snyder was also a keynote speaker at the forum and talked about condition assessment for permit compliance in New England. A total of 47 people attended and the feedback was very good. The next forum in this area is anticipated in the spring 2017, either in Springfield again or in Providence, R.I.

The forums are designed as one day programs with low participation cost (\$55 for municipal participants). Participants can earn CE units for attending (a \$15/ certificate fee applies). Online registration for the forums has been done through Eventbrite site, link available at <http://ttc.latech.edu>.

The most current information about location/dates of forums can be found at any time on the TTC website: ttc.latech.edu.

Contact person: Jadranka Simicevic, (318) 257-2744, jadranka@latech.edu

TTC at NASTT No-Dig 2016 in Dallas

The No-Dig 2016 conference was a very successful and enriching experience for the Louisiana Tech University Student Chapter. The students participated in the student chapter presentation competition and for the second year in a row, Louisiana Tech University's presentation won first place amongst 15 universities. In addition, two students received scholarships: Zach Hernandez received the Rain-for-Rent Scholarship for \$1,500 and Urso Campos the Argent Memorial Scholarship for \$5,000.

The TTC also hosted its Industry Advisory Board lunch meeting at the conference. The IAB members were briefed about the TTC general business, projects and current issues.

TTC New Equipment

The TTC has recently acquired some new equipment that will enhance the capability of the Center to perform testing and research projects. A new Adhesion Tester has been purchased for measuring pull-off strength of coatings from samples per ASTM D4541 and viscosity and thixotropic index of liquid per ASTM D2196. A new vertical actuator capable of 300 kip compression and 200 kip tension will be able to test pipes up to 4 ft in diameter. In addition, a new environmental chamber, 8 ft long by 8 ft wide, with controlled air and humidity conditions has been built. The chamber is currently used for long term creep testing of pipe and liner materials. A new Izod impact tester per ASTM D256 will help the Construction Engineering Technology (CET) program at Louisiana Tech.

Industry Advisory Board

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June 2016

Trenchless Technology Center

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