

TTC and BAMI-I Launch a Comprehensive Asset Management Certification Program

CTAM 300 & 400 Courses Released At Successful Training Event in Raleigh NC

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The Trenchless Technology Center (TTC) is an industry/university/government research center at Louisiana Tech University. For 25 years TTC has served as a global leader for the development of technologies influencing almost every aspect of trenchless construction methods. TTC has established a partnership with the Buried Asset Management Institute-International (BAMI-I) to continue to develop a comprehensive approach for utilizing best business practices in managing the treasures beneath our feet.

The Buried Asset Management Institute (BAMI) was established in the Department of Watershed Management (DWM) for the City

of Atlanta in 2003 as a result of the leadership and inspiration of Mayor Shirley Franklin and DWM Commissioner Jack Ravan. In 2004, BAMI transitioned to BAMI-International (BAMI-I) as a non-profit organization. In 2006, BAMI-I was selected for U.S. EPA Cooperative Agreement (CP 83 282901-1), which was completed in 2008.

BAMI-I launched the first Certificate of Training in Asset Management course (CTAM 100) in 2010. The CTAM 100 course provides a comprehensive introduction to Asset Management principles and concepts – with special emphasis on their application to “buried assets” associated with water and sewer systems. The initial success of the



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CTAM 100 course created awareness of the need to broaden its scope and provide more detailed training in an expanded sphere of utility system concerns. This led to the release in 2013 of the CTAM 200 course level, which focused on the specifics of how to develop an Asset Management Plan. In July and August 2015, BAMI-I released the CTAM 300 and CTAM 400 course levels respectively. CTAM 300 & 400 focus on the ongoing management of the Asset Management Plan, as well as the financial aspects of funding Asset Management Plans.

In summer 2015 the 300 and 400 level course materials were introduced in a live training session. TTC, in partnership with the BAMI-I, conducted a 4 day “Asset Management Training for Water Infrastructure”, Certification of Training in Asset Management (CTAM) session in Raleigh, NC August 17 – 20. For the first time, all four CTAM courses were taught in a classroom format. After completion of these 4 courses (CTAM 100-400), participants received designation as an Associate Water Asset Manager (AWAM) plus 30 hours of PDH credits.



Dr. Tom Iseley introduces CTAM 300 course materials during successful training event Aug 17 – 20 in Raleigh NC.

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Among the approximately 30 participants involved in this successful training event were:

- Professional Engineers in senior management positions,
- Professional service providers in the sanitary sewer system evaluation and rehabilitation industry,
- Professors and Research Professionals from academia directly involved in trenchless technology and asset management,
- Employees of public municipal utilities,
- State Government officials and employees involved in water infrastructure who desire to promote asset management principles within their state, and
- Asset Management Professionals actively involved in the development of asset management plans and promoting asset management principles in the USA.



Dr. Tom Iseley Elected as a Distinguished Member in ASCE



On Oct. 11-14, the 2015 Distinguished Member Ceremony was held at the ASCE annual convention in New York City in which Dr. Tom Iseley was elected as a Distinguished Member in the American Society of Civil Engineers (ASCE). “A Distinguished Member is a person who has attained acknowledged eminence in some branch of engineering or in the arts and sciences related thereto, including the fields of engineering education and construction.”

Dr. Iseley has over 35 years of experience in the planning, design, and construction of underground infrastructure systems. From 1982 until 1995, he served on the faculty of Mississippi State University, Purdue University, Louisiana Tech University, and as chairman of the Department of Construction Technology at the Purdue University School of Engineering and Technology in Indianapolis.

In 1989, Dr. Iseley established the Trenchless Technology Center (TTC), an industry/university cooperative research facility, at Louisiana Tech University and served as Director for 5 ½ years and as Director of Development for 2 years. He returned to Louisiana Tech & TTC on July 1, 2014.

He is a founding director of the North American Society for Trenchless Technology (NASTT). Also, in 1993, Dr. Iseley was selected as the Trenchless Technology magazine Person of the Year. He received the ASCE 1995 John O. Bickel Award and the 1999 Stephen D. Bechtel Pipeline Engineering Award.

In 2016 the Underground Construction Technology Association (UCTA) and Underground Construction magazine will honor Dr. Iseley as the 2016 UCTA MVP (Most Valuable Professional) in a special luncheon ceremony held February 3, 2016 12:00 – 1:30pm at the Georgia World Congress Center, Atlanta GA in conjunction with the UCT annual conference.

Dr. Iseley holds a B.S. in Civil Engineering, an M.B.A. from the University of Alabama in Birmingham and a Ph.D. in Civil Engineering from Purdue University.



Photo by David Hathcox for ASCE

TTC Launches a Global Pipeline Internship Program

Providing a new breed of underground infrastructure industry leaders is urgent and immediate action is required. TTC is launching a rapid response to meet this need through a global internship program for Civil Engineering (CE) and Construction Engineering Technology (CET) students.

This Internship program is structured to maximize students' exposure to the underground pipeline industry during their college education experience. It consists of the following 3 phases:

- *Phase I: Students who have completed their freshman year in CE or CET - these students will be assigned to work in the field to get maximum exposure to real-world construction projects.*
- *Phase II: Students who have completed their sophomore year - these students will be assigned to work in the office to get maximum exposure to the administration of construction projects.*
- *Phase III: Students who have completed their junior year - these students will be assigned back in the field to work under a project manager mentor.*

Each phase will consist of a minimum of 10 weeks at 40 hours per week.

SUPPORT PROVIDED BY TTC:

- *Promote the program within the College of Engineering and Science to attract excellent student candidates at all levels. Review previous experience and background, conduct internal interviews and mentoring sessions,*
- *Develop a relationship with partnering organizations to understand their needs and objectives,*
- *Work with the interns and organizations to ensure compatibility, and*
- *Follow up with interns and organizations to ensure that objectives are being met.*

BENEFITS TO THE INDUSTRY INTERNSHIP PARTNERS:

- *Organizations begin to identify and evaluate potential full time employees early.*
- *They can be proactive in the students education and training to insure they thoroughly understand the culture of the organization*
- *The student evaluation consists of a 3 year process with the student assigned to 3 phases of work related to 3 separate work environments.*

TTC Strengthens its China and Hong Kong Operations

Dr. Iseley recently returned for his 5th trip to China and Hong Kong this year. These areas are expanding rapidly and with highly dense populations, there is much need and opportunity for trenchless solutions. TTC has committed to establish operational bases in Shanghai, Tianjin, Wuhan, Chengdu and Hong Kong. TTC is pleased to announce that Banzan International Group Corporation which is based in Shanghai is the first China based company to join the TTC IAB (Industry Advisory Board). TTC is in the process of establishing effective technology transfer mechanisms to help utility owners have access to the best solutions. Several Chinese utilities have expressed interest joining the Living Lab program which TTC is establishing.

JD Solomon, one of the participants in the Raleigh CTAM program, is a member of the State Water Infrastructure Authority in North Carolina and an asset management practitioner with CH2M Hill. After finishing CTAM 100-400, he said, "I have been impressed with the instructors and they bring a lot of practical experience and a lot of practical stories to the course. Training material was well focused and gives an overview of asset management but it really drilled into the buried asset management, which is the focus of BAMI-I. And I have been really impressed by the...depth of detail that goes to the buried asset on the water and sewer side".

Another participant in the Raleigh CTAM program, Dan Clinton, is a storm water engineer for Cary NC - a suburb of Raleigh with a population of about 150,000. When asked about the training materials, he replied: "I found the materials were excellent, a very comprehensive course that provides a good foundation for starting up a program through managing it as well as the financial side of things. The materials are very thorough and the instructors have been phenomenal, straight from industry and were able to provide a lot of practical experience that is used on a daily basis - they were able to share experience and what they have learned with the students." 🙌

ABOUT THE TRENCHLESS TECHNOLOGY CENTER (TTC):



The Trenchless Technology Center (TTC)
at Louisiana Tech

University was established by Dr. Tom Iseley in 1989. It was created to promote research, development and technology transfer in the trenchless technology industry. The TTC is a cooperative research hub for academia, government and industry, and has world-class research and testing facilities at the National Trenchless Technology Research Facility (NTTRF) in South Campus at Louisiana Tech. TTC is supported in part by industry leaders who serve on the Industry Advisory Board (IAB). This IAB is dedicated to not only provide financial support but to provide direction for advancing the industry through research, innovation, validation, and education.