



# Trenchless Technology Center *Newsletter*

S E P T E M B E R 2 0 0 1

## Draft of Guidelines for Pipe Ramming Completed

A draft of a new publication, *Guidelines for Pipe Ramming*, has been prepared by Jadranka Simicevic, TTC research engineer. These guidelines are currently being reviewed by a number of industry practitioners for suggestions for improvements. Once the guidelines have been finalized, they will be added to the publications available for free download at the TTC Web site ([www.latech.edu/tech/engr/ttc](http://www.latech.edu/tech/engr/ttc)). These guidelines were prepared with funding from the U.S. Army Corps of Engineers Engineering Research and Development Center in Vicksburg, Miss. Existing guidelines available for free download are *Guidelines for Pipe Bursting* and *Guidelines for Impact Moling*. There is also a compilation of information available concerning lateral rehabilitation available, including products and technologies. Suggestions for improvements in the guidelines and/or additional information on products/technologies are always welcome. Please send such information either by mail or electronically to the TTC (see sidebar for contact information).

## Northwest, Denver Municipal Forums to Look at Lateral Rehabilitation

The upcoming municipal forums scheduled for Denver and Portland will discuss the physical and institutional problems concerning private lateral connections to sewers. The focus on laterals is a result of increased interest in this important topic.

It is expected that demonstrations of technologies, presentations on technologies and barriers to lateral rehabilitation will be dis-

cussed. The forums are held twice each year and are open to municipal and public works engineers and staff in the region. The meetings are kept to a size that allows a discussion format, and there is no charge for participation by public works personnel. For more information on these forums and the additional forums conducted in Houston, Kansas City and Columbus, please contact the TTC.



Municipal forum meeting in Greeley, Colo., in March.

## Hadala Retires

Dr. Paul Hadala, the coordinator for the Construction Engineering Technology Program at Louisiana Tech University and formerly with the Waterways Experiment Station (now the Engineering Research and Development Center) of the U.S. Army Corps of Engineers in Vicksburg, Miss., retired in May. Dr. Hadala had a distinguished career specializing in geotechnical engineering. He was the recipient of the Norman Medal from the American Society of Civil Engineers (ASCE) for a co-authored paper with other researchers from the Waterways Experiment Station. This is the highest award that ASCE offers for technical papers published by the society.



Dr. Paul Hadala

Dr. Hadala was the interim director of the TTC from 1994 to 1995 and was an active participant in many of the TTC's research projects. Also, as coordinator for the Construction Engineering Technology Program and lecturer in both this and the civil engineering program, he touched the lives of the many students with whom he came into contact.

## McKim Takes Position at University of Western Kentucky



Dr. Robert McKim

Dr. Robert McKim, formerly the associate director of the TTC, has accepted an endowed professorship at the University of Western Kentucky in Bowling Green starting this fall. He came to Louisiana Tech University from the University of Waterloo in December 1998 and has been very active in TTC research and technology transfer programs as well as teaching in the construction program.

Dr. McKim felt that the endowed professorship, plus the opportunity to build a new program at Western Kentucky, was "one he could not let pass by." Dr. McKim is currently the chairman of the Southeast Chapter of NASTT. He plans to remain active in trenchless technology and will continue to work with the TTC from his new base in Kentucky.



# Rehabilitation of Building Ductwork

A project to examine the cost-effectiveness of rehabilitation of air conditioning ductwork in buildings in Louisiana is now fully under way. Dr. Norm Witriol, of the Center for Applied Physics at Louisiana Tech University, and Dr. Rob McKim received a \$400,000 grant earlier this year.

Losses of conditioned air from poorly sealed ductwork are considered to be a significant energy loss in many commercial and residential buildings. This summer, the project team has been testing residential buildings in northern Louisiana to better define the range of energy losses posed by leaky ductwork. The TTC is

helping to coordinate the project and will provide expertise relating to the development of novel or adapted techniques for the rehabilitation of ductwork. Dr. Aziz Saber has joined the project team this summer and is currently coordinating the project field work. The project is expected to last three years.



The TTC is currently studying the cost-effectiveness of rehabilitating ductwork in buildings, long considered a contributor to energy loss.

## Industry Advisory Board

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## Sterling Invited to Visit Japan

Dr. Ray Sterling has been invited to visit Nagasaki University for a period of two to three weeks in February 2002. The visit is funded by a Fellowship for Cooperation and Exchange from the Japan Society for the Promotion of Science. His hosts will be Professor Tanabashi and Jiang from Nagasaki University and he will

also spend time at Kyushu University, as well as having a chance to visit other groups within Japan. He hopes to be able to learn more about Japanese activities relating to trenchless technology and to visit the Japan Society for Trenchless Technology during his visit.

## Kem-Tron, Brown & Root Join IAB

The TTC is very pleased to announce the addition of Kem-Tron Inc. as an industry member and Brown & Root Inc. as a consultant member to its Industry Advisory Board. Kem-Tron is a major supplier of solids separation and fluids handling equipment to the industry. Brown & Root is a worldwide consultant with extensive experience in underground construction and trenchless technology.

For information on how to participate in the TTC and its programs, please visit the TTC Web site

([www.latech.edu/tech/engr/ttc](http://www.latech.edu/tech/engr/ttc)).



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