



## Center for Underground Infrastructure Research & Education (CUIRE)

### 16<sup>th</sup> Annual Certification Schools

Monday and Tuesday, Jan. 29-30, 2018

Ernest N. Morial Convention Center, New Orleans, Louisiana

CUIRE at the University of Texas at Arlington will hold its 16th annual Pipeline and Trenchless Technology Training and Certification Schools in conjunction with the Underground Construction Technology (UCT) International Conference & Exhibition. This year's program includes *Advanced HDD School, Flexible Pipeline Design and Installation, Geotechnical School, as well as 1/2 day of Pipe School, Horizontal Auger Boring and Pipe Ramming, Microtunneling and Pilot Tube and Other Guided Boring Methods, Mud School, and Pipe Lining and Renewal School.* Attendees may register for any of the following 1/2 Schools:

#### Monday, Jan. 29, 2018

##### 8:00 AM – Noon

- ***Advanced Horizontal Directional Drilling (HDD) School (Part One)*** – Planning and design of large, mid- and small-size HDD projects from inception to closeout and delivery. The school will include talks on pipe loads, bore planning, drilling fluids and case studies.
- ***Geotechnical School (Part One)*** – Geotechnical requirements for both trenchless and open-cut applications, soft soils and rock investigations methods, and how ground conditions will impact trenchless feasibility and productivity.
- ***Flexible Pipeline Design Installation School (Part One, Design Requirements)*** – This school presents design requirements for large diameter flexible pipelines for pressure and non-pressure applications for both circular and noncircular shapes.

##### 1:00 – 5:00 PM

- ***Advanced Horizontal Directional Drilling (HDD) School (Part Two)*** – The second part of this school will include construction projects of all sizes, plus tracking, locating and case studies.
- ***Geotechnical School (Part Two)*** – Planning, geotechnical reporting, and contracting requirements for trenchless technologies for different ground conditions.
- ***Flexible Pipeline Design Installation School (Part Two, Installation Requirements)*** – This school presents installation requirements including QC/QA, inspection, and project delivery for large diameter flexible pipelines for pressure and non-pressure applications for both circular and noncircular shapes.

- **Microtunneling and Pilot Tube School** – This school will cover planning, design and construction of Microtunneling Methods (MT) and Pilot Tube and Other Guided Boring Methods (PTGBM), and will includes case studies. A discussion of new ASCE Microtunneling Standards and Manual of Practice on PTGBM will be presented by authors.

**Tuesday, Jan. 30, 2018**

**8:00 AM – Noon**

- **Pipe School** – This school will cover applications, capabilities, manufacturing, standards, advantages and limitations of each type of pipe, such as steel, ductile iron, vitrified clay, PVC, HDPE, fiberglass, life cycle costing, etc., and new developments in pipe materials and joining systems.
- **Mud School for Trenchless Technology** – This school will cover everything attendees need to know to properly mix and apply drilling fluids for trenchless applications, including spoil removal and lubrication applications.
- **Horizontal Auger Boring and Pipe Ramming School** – This school will cover planning, design, construction of conventional pipe jacking and horizontal auger boring, along with pipe ramming.
- **Pipe Lining and Renewal School** – This school will cover pipe lining methods including Cured-in-Place Pipe (CIPP), sliplining, modified sliplining (panel lining), close-fit, Spray-in-Place Pipe (SIPP) and other methods. This school will also cover planning, design, construction, inspection and QA/QC.

Each ½ day school qualifies for 0.4 CEU and 4 PDHs through the University of Texas at Arlington.

For more information, contact Sahar at CUIRE, (817) 272-9177, or email [cuire@uta.edu](mailto:cuire@uta.edu) or visit [www.cuire.org](http://www.cuire.org)

The registration fees for these Schools are according to following table:

Schools	Registration			What You Receive?
	Before Jan. 15	After Jan. 15	At Site (Cash or Check Only)	
1/2-Day	\$195	\$295	\$350	<ul style="list-style-type: none"> <li>• Up to 0.4 CEU, 4 PDHs,</li> <li>• Full UCT Registration</li> </ul>
1-Day	\$365	\$465	\$550	<ul style="list-style-type: none"> <li>• Up to 0.8 CEUs, 8 PDHs,</li> <li>• Full UCT Registration</li> <li>• Trenchless Technology Book</li> </ul>
1.5-Day	\$515	\$615	\$850	<ul style="list-style-type: none"> <li>• Up to 1.2 CEUs, 12 PDHs,</li> <li>• Full UCT Registration</li> <li>• Trenchless Technology Book</li> </ul>