

**Yes! Include me in this important endeavor.**

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Please make your check payable to:  
CUIRE/UTArlington

Your contribution to CUIRE is considered to be a gift and maybe tax deductible.

**Mail To**

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**Funding**

CUIRE funding is generated mainly from industrial contributions, university support, symposia/seminar proceeds, university/industry consortium contributions, and funded research.

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**Center for  
Underground Infrastructure  
Research and Education**



**Advancing Knowledge and  
Developing Opportunities  
in Pipeline Construction,  
Renewal, & Asset  
Management**





**The Center for Underground Infrastructure Research and Education (CUIRE) at the University of Texas at Arlington** was established with the goal of promoting research development and training in underground infrastructure construction and renewal technologies. Faculty from various programs in different colleges can join together on inter-disciplinary research projects under CUIRE.

The primary goal of CUIRE is to provide national and international leadership in research, outreach and education activities which enhances cost-effectiveness, construction productivity, environmental improvement and renewal of the aging underground infrastructure.

### Organizational Structure

CUIRE is a university/government/industry cooperative research, training and outreach center. CUIRE's organizational structure provides two lines of authority: The University of Texas at Arlington and the industry. The University provides an oversight committee who will supervise the everyday operations of the center under the leadership of the Industry Board (IB). The IB composed of utility companies, contractors, owners/public agencies, academics, engineers, general interest groups, and manufacturers, provides policy direction, reviews budgets, and monitors the progress of the projects. The IB is composed of one member from each organization that participates in the Industrial Consortium.

### Specific Objectives

- Promote research in design and construction of under-ground infrastructure.
- Conduct basic and applied research for industry and government agencies.
- Prepare educational & curriculum materials and organize courses to assist university faculty in teaching underground infrastructure courses.
- Conduct web-based distance education courses, conferences and workshops.
- Assist industries in developing and evaluating new methods and products.
- Establish and disseminate standard guidelines and features.
- Develop contractor, designer, and inspector certification program.
- Work closely with professional and trade organizations/associations & university/research centers.



### Recent CUIRE Projects

- Pipe testing and backfill analysis for Integrated Pipeline (IPL) Project.
- Testing and evaluation for a new spray-in-place (SIPP) product for water pipe applications.
- Validation of culvert standard SCP-MD and jack and bore issues for TxDOT.
- Evaluation and testing of No-dig manhole rehabilitation materials.
- Failure analysis of large diameter (24 in. and large) water pipelines.
- Preparation of new design and installation guides for new water pipe renewal product.

### Industry Board Member Benefits

- Serve on the board to develop guidelines and plans to operate the center.
- Have access to the results of core research programs, technology reviews, market studies and overall activities of the center.
- Receive the center's newsletter and technical journal.
- Receive free or discounted rates to conferences and educational programs.
- Be recognized and promoted as leaders of the industry supporting activities of the center.
- Be featured and linked at CUIRE's website with a profile on the company and representative.

### CUIRE Technical Committee

As a part of the IB, technical committee is formed to be the community's primary source of technical information for products used for underground infrastructure applications. Focus will be in the following areas:

- Product Testing Evaluation & Selection Guide: Pinpoint applicable products based on site specific conditions and design objectives.
- Design Guidelines: Track down relevant specifications, calculation templates, installation guidelines, standards, and a list of contacts.
- Performance History: Research the history of product, where it has been used, including case studies.
- Industry News: Keep current information on the latest developments in the industry, including regulator requirements, specification changes, future meetings and new markets.
- Specialty Seminars & Symposiums: Sign up for specialty seminars that focus on specific areas of interest.

### Membership Information

- Regular Board Members contribute \$2,000 per year in support of the general activities of the center.
- Government agencies contribute \$500 per year