to create consensus standards that advance entire industries and speed the market adoption of new technologies. ASTM’s open and inclusive process will help ensure the global application of F36 standards in utility design and rehabilitation, optical fiber and power cable installations, Fiber to the Home-FTTX, as well as other applications in all parts of the world.”

Dr. Jey K. Jeyapalan, P.E., Chair, ASTM Committee F36 on Technology and Underground Utilities; phone +1 860/354-7299
Get Involved

To join ASTM Committee F36, please contact ASTM staff manager Daniel Schultz: +1 610/832-9716 e-mail: dschultz@astm.org and Dr. Jey K. Jeyapalan, P.E.: +1 860/354-7299 e-mail: jkjeyapalan@earthlink.net

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Underground utilities provide an attractive alternative to using overhead lines.

Solve the “Last Mile” Problem

Even though thousands of miles of optical fiber cable have been laid around the globe, the “last mile” – specifically, the section of the network connecting the building’s basement to metro area network – has yet to be bridged.

Deploying the final loop requires extensive construction, usually involving the excavation of congested city streets, causing traffic hold-ups, economic loss and unsafe conditions.

Today, robotic technology and pipe relining technologies can lay optical fiber cables and special power distribution cables in existing underground utility pipes, reducing or eliminating excavations in urban environments. As a member of ASTM Committee F36, you will help set the standards that will make the work practical and safe.

F36 standards initiatives address issues such as:
■ Sewer selection criteria
■ Safety
■ Access rights
■ Construction
■ Materials
■ Operation
■ Maintenance

In combination with fiber installation, F36 is standardizing chemical grouting for maintenance and repair of sewers, and is applying computer modeling to water conveyance systems to create designs resistant to seismic stress. The Committee is also focusing efforts on water pipeline rehabilitation, Fiber to the Home-FTTX, safe practices for power distribution cables in existing rights of ways of utilities, and unified pipeline design. At ASTM International, only the market’s innovation and imagination are the limits to technology transfer, increased system and material effectiveness, and the heightened safety in market application that occur through strategic standardization. ASTM International standards are available from distributors throughout the globe and through www.astm.org.

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