

1. Record Nr.	UNINA9910455282703321
Titolo	Advances and experiences with pipelines and trenchless technology for water, sewer, gas, and oil applications [[electronic resource]] : proceedings of the International Conference on Pipelines and Trenchless Technology 2009, October 18-21, 2009, Shanghai, China / / edited by Mohammad Najafi, Baosong Ma
Pubbl/distr/stampa	Reston, Va., : American Society of Civil Engineers, 2009
ISBN	0-7844-7317-X
Descrizione fisica	1 online resource (2162 p.)
Altri autori (Persone)	Najafi Mohammad Ma Baosong
Soggetti	Pipelines Trenchless construction Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Organized and co-sponsored by The Pipeline Division of the American Society of Civil Engineers (ASCE), China-U.S. Joint Center for Trenchless R&D at CUG, China Society for Trenchless Technology (CSTT), Center for Underground Infrastructure Research and Education (CUIRE)"--t.p.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Cover""; ""Contents""; ""Integrated Asset Management""; ""A System for Rehabilitation Planning of Infrastructure Projects""; ""Analytic Mode for Predicting the Failure Risk of Pipeline System""; ""Evaluation of Non-Destructive Methods for Condition Assessment of Culverts and Their Embedment""; ""Integrity Management System Model Design and Development for New Oil and Gas Long-Distance Pipeline""; ""The Remaining Life Prediction of Buried Pipeline Based on the Maximum Extreme Value Distribution""; ""Integrity Assessment and Management of a Long-Distance Pipeline in China"" ""Condition Assessment""""Best Practices in the Condition Assessment of Water Transmission Mains""; ""Dynamic Testing Analysis and Treatment of Suspended Pipelines through the Lower Yellow River""; ""Energy Loss Analysis and Conservation Potential Prediction for the Pipelines Network of Oil and Gas Gathering and Transferring System""; ""Hyperbaric Welding Maintenance Techniques of Subsea Pipeline"";

""Longitudinal Condition Assessment of Exposed Pipelines Encased in Concrete Box in a Riverbed""

""Modified Methods on Testing Roughness Coefficient of Water Pipes in Urban Water Distribution Network""""The Estimation to the Service Life of Casing in Salt Formation""; ""Leak Detection and Monitoring""; ""A New Approach to Solve the Problem of Pipeline Plugging by Gas Hydrates during Oil Production""; ""Application of Oil Pipeline Leakage Detection and Location System Based on Negative Pressure Wave Theory""; ""Application Research of the Correlation Detection in Ship Pipeline Leakage Detecting""

""Case Study of Urban Water Distribution Networks Districting Management Based on Water Leakage Control""""Detection of Small Leakage of Long Distance Natural Gas Transporting Pipeline Based on Airborne Laser Equipment""; ""Fast Leak Detection and Location of Water Pipelines Based Using Orthogonal Wavelet Transform""; ""Feasibility Study on Pipeline Leakage Detection under Pressure Testing Using Numerical Inversion Technology""; ""Infrared Temperature Measurement and Simulation of Temperature Field on Buried Pipeline Leakage""

""Pre-Study of Leaking Fault of the Oil Pipelines in Maowusu Desert Areas""""Study on Real-Time Detection of Pipe Bursts with Simulation and Management System on Water Distribution Networks""; ""Pipeline Inspection""; ""Gas Transmission Pipeline Defect Detection Based on New Intense Magnetic Memory ILI Tool""; ""Multi-Layers Wavelet Kohonen Neural Network Model for Underground Pipeline Coating Detection with Galvanostatic Transient Technique""; ""Recognition of Environment for Navigation of Gas Pipeline Inspection Robot Based on Monocular Vision System""

""Research about Magnetic Pulse Detection Method of Annulus Multi-String Damage""
