

管道检测应用技术

2016IEEE 远东无损检测新技术论坛

邀请函



中国石油西部管道公司
PetroChina West Pipeline Company

远东无损检测新技术论坛-管道分会场邀请函

西安石油大学:

“2016 远东无损检测新技术论坛”拟定于 2016 年 6 月 22 日至 24 日在江西南昌举办,由西部管道公司协办的管道分会场同期举行,为切实促进管道分会场的交流深度,扩展交流领域,现诚邀贵单位投稿参会并做大会交流。

● 论坛简介

“远东无损检测新技术论坛”是一个立足中国,辐射海外的无损检测专业论坛,已连续举办十二届,参加人数众多,是国内无损检测技术与商务交流的主流平台之一。论坛将面向国内外从事无损检测工作及研究人员征集论文,符合条件的论文将刊录 IEEE 会议专集,并提交 EI 收录检索。

● 会议时间及地点

2016 年 6 月 22 日至 24 日,江西南昌嘉莱特经典国际酒店。

● 论文提交要求

论文提交要求参见 <http://2016.fendti.cn/>论坛征文启事。

论文题目及摘要: 2016 年 3 月 30 日前

论文终稿: 2016 年 4 月 15 日前

● 联系人

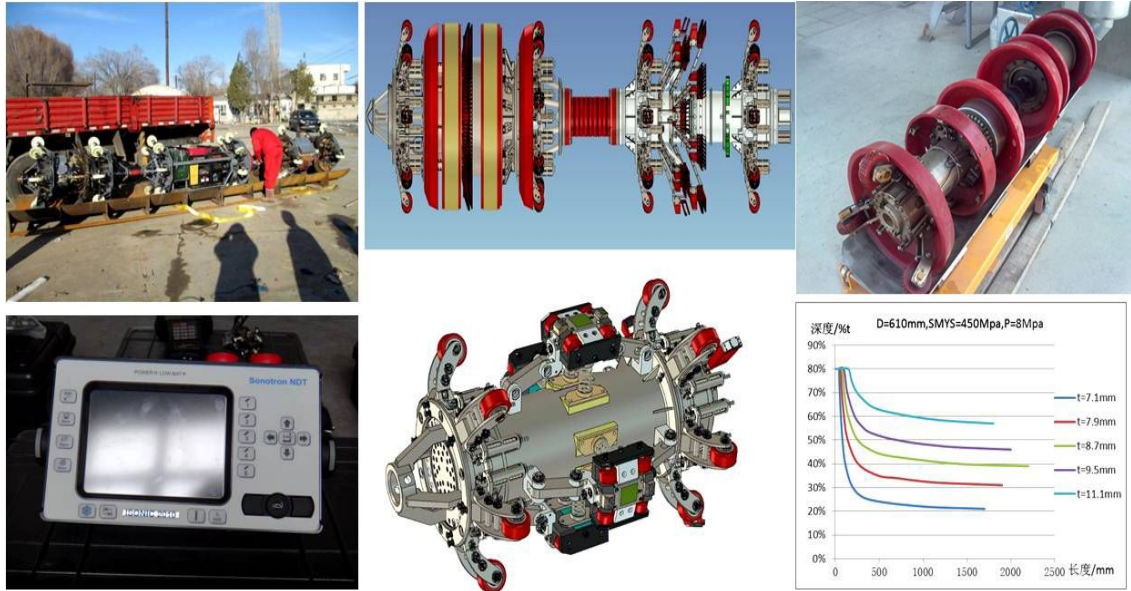
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2016IEEE 远东无损检测新技术论坛

管道检测应用技术



目的

管道无损检测技术作为一种直接、高效的检测方式，为管道完整性管理提供了真实的管道运行状态信息，促进了管道经济、安全运行。常规无损检测如超声、射线、磁粉（漏磁）、渗透、涡流检测等方法已在管道领域得到推广，并获得广泛认可，但常规无损检测技术由于其检测原理的不同都有其局限性，近年来一些非常规无损检测手段逐渐兴起，如弱磁应力、周向励磁、相控阵、导波、电磁超声、泄漏检测等技术手段，新技术作为对常规检测手段的补充逐渐被部分管道运营单位接受，本次研讨会将就应用于管道的无损检测新技术进行探讨研究，以促进管道无损检测新技术的推广应用。

范围

本次研讨会主题包括但不限于以下几个方面：



- 管道超高清晰轴向漏磁内检测技术
- 管道超高清晰周向漏磁内检测技术
- 管道（电磁）超声检测技术
- 管道泄漏检测技术
- 管道应力内检测技术
- 管道焊缝无损检测技术
- 新建管道（空管）应力及变形检测技术
- 管道完整性评价技术
- 管道焊缝超声残余应力检测（监测）技术
- 管道无人机巡检技术
- 管道阴极保护自动监测技术
- 管道扫描 3D 成像技术
- 超声相控阵及 TOFD 检测技术
- 管道基线测量（惯导系统）
- 导波检测技术
- 声发射检测技术

专题研讨会组织机构

- **主 席：**闵希华，中石油西部管道分公司，副总经理，教授级高工
- **副主席：**杨理践，沈阳工业大学，教授
- **秘 书：**饶心，中石油西部管道分公司完整性所，所长

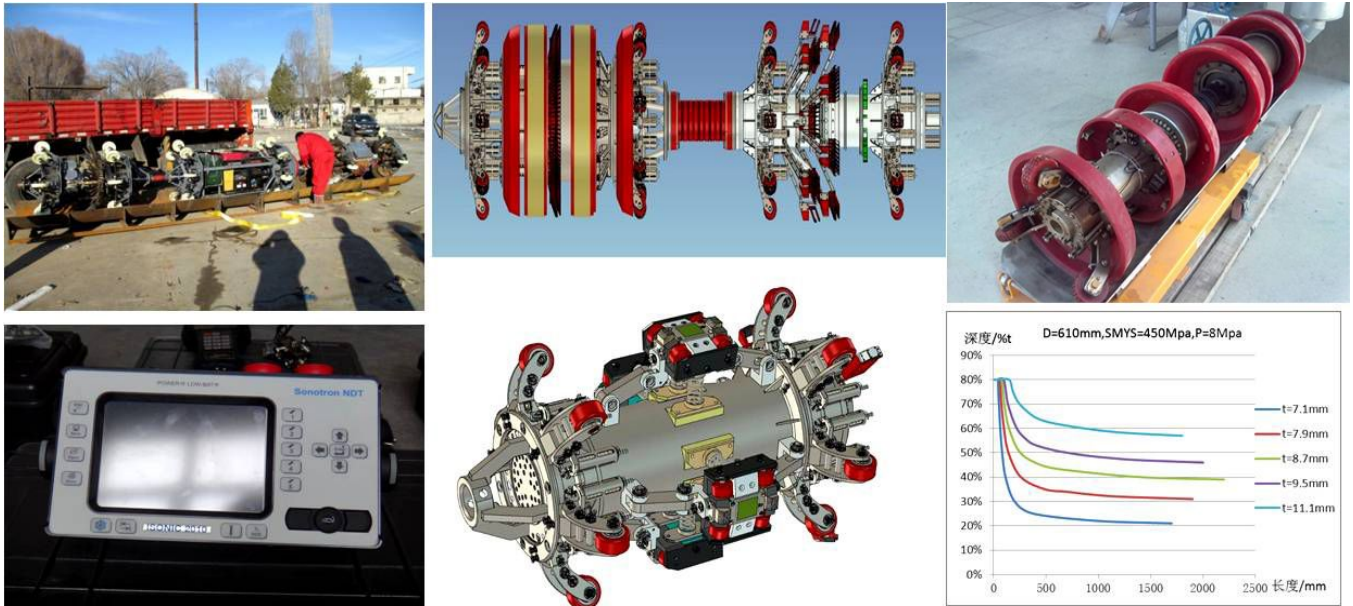
备注

其它相关信息请参考 <http://www.fendti.com>.



2016 IEEE Far East Nondestructive Testing New Technology Forum

Pipeline inspection and application technology



The goal

The pipeline NDT as a direct and efficient way of detection provides the real running status information for the pipeline integrity management, promote the economic and safe operation of the pipeline. Conventional nondestructive testing, such as ultrasonic, radiographic, magnetic particle (magnetic flux leakage), penetrant, eddy current testing method has been promoted in the field of pipeline, and have wide recognition, but the conventional NDT technology has its limitations because of its different detection principle, some unconventional nondestructive testing means emerging in recent years, such as weak magnetism technology, circumferential magnetism technology, phased array, guided wave, electromagnetic ultrasonic, and leak detection technology, new technology in addition to the conventional testing methods gradually accepted by part of the pipeline operation companies. This Conference will discuss the new



technology of pipeline detection which will promote the popularization and application of new pipe nondestructive testing technology.

The scope

The conference topics include, but are not limited to the following aspects:

- High precision axis flux leakage magnetic pipeline inspection technology
- High precision circumferential flux leakage magnetic pipeline inspection technology
- Electronic and magnetic ultrasonic pipeline inspection technology
- Pipeline leakage inspection technology
- Pipeline stress inner inspection technology
- Pipeline weld NDT technology
- New pipeline (empty pipe) stress and deformation detection technology
- Pipeline integrity evaluation technology
- Pipeline weld ultrasonic residual stress detection (monitoring) technology
- Pipeline unmanned routing inspection technology
- Pipeline cathodic protection automatic monitoring technology
- Pipeline scan 3D imaging technology
- Ultrasonic phased array and TOFD detection technology
- Pipeline base line measurement (inertial navigation system)
- Ultrasonic Guided Waves Inspection
- Acoustic Emission Measurement



Workshop organization

Chairman: Xihua Min , vice president, senior professor engineer of Petrochina West Pipeline Company

Co-Chairman: Lijian Yang , Professor, Shenyang University of Technology

Workshop Secretary: Raoxin, Pipeline integrity center of Petrochina West Pipeline Company

Note:

Please refer to <http://www.fendti.com> for paper submission.

