

会议日程 Program

Day 2 5月17日 全体大会 日程

May 17 Plenary Lectures

| 开幕式主持人 Ceremony Chair | | 李玉星 Li Yuxing | 中国石油大学(华东)教授, 组委会主席 Professor, UPC, Chairman of the Organizing Committee | | |
|--------------------------|-------|---|---|--|--|
| 8:15 | 8:30 | 开幕式: 1.来宾介绍; 2.学校致辞; 3.山东省能源局致辞; 4.ASME 致辞 Opening Ceremony: Guest introduction and Opening Speech | | | |
| 主持人 Chair | | Frank Cheng | 欧洲科学院院士、加拿大卡尔加里大学教授 Academia Europaea, Professor, University of Calgary | | |
| No. | Start | End | 演讲人 Speaker | 简介 Bio | 题目 Presentation Title |
| P01 | 8:30 | 9:00 | 黄维和 Huang Weihe | 中国工程院院士 Academician of Chinese Academy of Engineering | 我国油气管网智能化发展趋势 Advances of Artificialized Development in Oil and Gas Pipeline Nets in China |
| P02 | 9:00 | 9:30 | 张统一 Zhang Tongyi | 中国科学院院士 Academician of Chinese Academy of Sciences | 金属氢致开裂 Hydrogen Induced Cracking in Metals |
| P03 | 9:30 | 10:00 | Dan M. Frangopol | 欧洲科学院院士 Academia Europaea, Foreign Member | 基于渐变冲击恶化的结构系统风险管理 Risk-based Management of Structural Systems under Progressive and Shock Deterioration |
| | 10:00 | 10:15 | 茶歇 Tea & Coffee Break | | |
| 主持人 Chair | | Yasuo Kawaguchi | 日本东京理科大学教授 Professor, Tokyo University of Science | | |
| P04 | 10:15 | 10:45 | Jingli Luo | 加拿大工程院院士 CAE, C-fer Fellow | 油气行业及二氧化碳存储时的管道腐蚀与防护 Corrosion and Protection of Pipeline in Oil and Gas Industry and CO2 Transportation and Storage Operations |
| P05 | 10:45 | 11:15 | Frank Cheng | 欧洲科学院院士、加拿大 卡尔加里大学教授 Academia Europaea, Professor, University | 集输石油管道内腐蚀机理及预测模型 Mechanism and Modeling of Internal Corrosion of Oil Gathering Pipelines |

| | | | | of Calgary | |
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| P06 | 11:15 | 11:45 | 闵希华 Min Xihua | 中石油西部管道公司总 经理 President, PetroChina West Pipeline Company | 油气管道应力腐蚀预测预防的实践思考 The Practice Thinking of Stress Corrosion Prediction and Prevention of Oil and Gas Pipelines |
| P07 | 11:45 | 12:15 | Jerzy Szpunar | 加拿大萨斯喀彻温大学 一级教授 Tier I Canada Research Chair, Professor, University of Saskatchewan | 管道钢服役相关失效的显微组织研究 Microstructure in Service Related Failure of Pipeline Steels |
| | 12:15 | 13:30 | 午餐 Lunch | | |
| 主持人 Chair | | Dan M. Frangopol | | 欧洲科学院院士 Academia Europaea, Foreign Member | |
| No. | Start | End | 演讲人 Speaker | 简介 Bio | 题目 Presentation Title |
| P08 | 13:30 | 14:00 | Tarasenko Alexandr | 俄罗斯科学院院士，俄 罗斯秋明工业大学教授 Full memeber, Russian Academy of Sciences, Professor, Industrial University of Tyumen | 多年冻土带管道监测先进技术 Improving Monitoring of the Pipeline in the Permafrost Zone |
| P09 | 14:00 | 14:30 | Amangali Nysangaliy evich | 哈萨克斯坦国家工程院 院士 Kazakh National Academy of Engineering | 中哈油气管道建设的设计特点 Design Characteristics of Oil and Gas Pipelines Construction between China and Kazakhstan |
| P10 | 14:30 | 15:00 | Dongsheng Wen | 千人计划专家，英国利 兹大学教授 “National Distinguished Experts” of The Recruitment Program for Innovative Talents | 油气工程的纳米技术 Nanotechnology for Oil and Gas Engineering |

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| P11 | 15:00 | 15:30 | 邓彦 Deng Yan | 中石化管道储运分公司 副总经理 VP, Sinopec Pipeline Storage & Transportation Co., LTD | 海底长输原油管道风险管控与完整性管理实践 Risk Regulation and Control and integrity Management Practice for Underwater Long-distance Crude Oil Pipeline |
| | 15:30 | 15:45 | 茶歇 Tea & Coffee Break | | |
| 主持人 Chair | | 吴明 Wu Ming | 辽宁石油化工大学副校长、教授 Vice President, Professor of Liaoning Shihua University | | |
| P12 | 15:45 | 16:15 | 王振声 Wang Zhensheng | 中石油管道公司副总经 理 VP, PetroChina Pipeline Company | 推进智能管道, 深化完整性管理, 保障管道安全 受控 Performing Intelligent Pipeline, Promoting Integrity Management, Ensuring Pipeline Safety |
| P13 | 16:15 | 16:45 | 张鹏 Zhang Peng | 中油国际管道有限公司 副总经理 VP, SINO-PIPELINE INTERNATIONAL COMPANY LIMITED | 跨国能源通道管理的转型与思考 Transformation and Consideration of Transnational Energy Channel Management |
| P14 | 16:45 | 17:15 | 李锴 Li Kai | 中石油西气东输管道分 公司副总经理 VP, PetroChina West East Gas Pipeline Company | 西气东输管道技术创新实践与展望 Innovation Practice and Prospect of West East Gas Pipeline Technologies |
| P15 | 17:15 | 17:45 | 刘扬 Liu Yang | 东北石油大学原校长, 教授 President, Northeast Petroleum University | 原油管道系统用能优化及节能技术 Energy Use Optimizing and Energy Saving Technology of Crude Oil Pipeline System |
| P16 | 17:45 | 18:15 | Yasuo Kawaguchi | 日本东京理科大学教授 Professor, Tokyo University of Science | 湍流减阻 Turbulent drag reduction by additives |
| | 18:15 | | 晚餐 Dinner | | |

Day 3 5月18日上午 全体大会 日程

AM, May 18 Plenary Lectures

| 主持人 Chair | | Ju Dong Lee | | 韩国工业技术研究院研究员 Executive director in Offshore Plant Resources R&D Center at Korea Institute of Industrial Technology (KITECH) | |
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| No. | Start | End | 演讲人 Speaker | 简介 Bio | 题目 Presentation Title |
| P17 | 8:00 | 8:30 | 李自力 Li Zili | 中国石油大学(华东) 教授 Professor, UPC | 基于氢致开裂机理的管道剩余寿命预测研究 The pipeline durability prediction based on hydrogen assisted cracking mechanism |
| P18 | 8:30 | 9:00 | 路民旭 Lu Minxu | 北京科技大学教授,美国 腐蚀工程师协会会员 Professor, USTB, NACE Fellow | 油气管道重要失效风险与智能监控技术 Important failure risk for oil and gas pipeline and smart monitoring and control technology |
| P19 | 9:00 | 9:30 | 冯庆善 Feng Qingshan | 中国石油管道公司储运 分公司总经理 President, PetroChina Pipeline Storage & Transportation Co.,LTD | 管道针孔缺陷完整性技术基础研究 Basic research for Pipeline Pinhole Integrity |
| P20 | 9:30 | 10:00 | Laura Machuca Suarez | 澳大利亚科廷大学高级 讲师 Senior Research Fellow Curtin University, Australia | 油气行业微生物腐蚀认知与管理进展 Advances in the understanding and management of microbiologically influenced corrosion (MIC) in the oil and gas industry |
| | 10:00 | 10:15 | 茶歇 Tea & Coffee Break | | |
| 主持人 Chair | | Dongsheng Wen | | 千人计划专家, 英国利兹大学教授 "National Distinguished Experts" of The Recruitment Program for Innovative Talents | |

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| P21 | 10:15 | 10:45 | Ju Dong Lee | 韩国工业技术研究院研究员 Executive director in Offshore Plant Resources R&D Center at Korea Institute of Industrial Technology (KITECH) | 多相流环道及油气领域原位拉曼光谱系统介绍 Introduction of multi-phase flow loop and in-situ Raman system for oil & gas fields |
| P22 | 10:45 | 11:15 | 许少新 Xu Shaoxin | 中国石化销售华南分公司首席专家 Chief Expert, Sinopec Marketing South China Company | 华南成品油管网站(库)完整性管理创新与实践 Innovation and Practice of Integrity Management of South China Product Oil Station |
| P23 | 11:15 | 11:45 | 隋永莉 Sui Yongli | 中石油廊坊管道局首席技术专家 Chief Expert, China Petroleum Pipeline Bureau | 焊接工艺及环焊接头应力分析研究 Study on Stress Analysis of Welding Technology and ring welded |
| P24 | 11:45 | 12:15 | Fei Duan | 新加坡南洋理工大学教授 Professor, Nanyang Technological University | LNG 冷能用于小尺度产能及低级废热 Small-scale power generation from LNG cold energy and low-grade waste heat |
| | 12:15 | 13:55 | 午餐 Lunch | | |

Day 3 5月18日下午 技术分会场一
PM, May 18 Technical Symposia

分会场一：油气输送工艺与腐蚀控制，地点：乔治亚厅 2

Track 1 : Oil & Gas Transportation and Corrosion Control , Meeting Room: Georgia 2

| 主持人 Session Chair | | 吴世勤 Wu Shiqin | | 中国石油管道有限责任公司副总经理 VP, PetroChina Pipeline Co.,LTD | |
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| No. | Start | End | 演讲人 Speaker | 单位 Organization | 题目 Presentation Title |
| | 13:55 | 14:00 | 分会场简介 Symposium Introduction | | |
| K01 | 14:00 | 14:25 | 宫敬 Gong Jing | 中国石油大学（北京）教授 Professor, CUP | 数字孪生技术在油气管道运行中的应用 Application of Digital Twinning Technology in Oil and Gas Pipeline Operation |
| K02 | 14:25 | 14:50 | 刘建武 Liu Jianwu | 中石化石油工程设计有限公司副总经理、总工程师 VP, Sinopec Petroleum Engineering Corporation | 智能化管道技术及应用 Intelligence Pipeline Technology and Application |
| T01 | 14:50 | 15:15 | 崔淦 Cui Gan | 中国石油大学（华东）副教授 Associate Professor, China University of Petroleum (East China) | 直流杂散电流干扰下金属极化行为的发现 New Findings on Metal Polarization Behavior Under DC Stray Current Interference |
| T02 | 15:15 | 15:40 | 陈雷 Chen Lei | 中国石油大学（华东）讲师 Lecturer, China University of Petroleum (East China) | 成品油管道内水固体颗粒运移规律研究 Researches on the water/solid particles' movement in product oil pipeline |
| | 15:40 | 15:55 | 茶歇 Tea & Coffee Break | | |
| T03 | 15:55 | 16:20 | 张文艳 Zhang Wenyan | 中国石油西南油气田公司输气管理处 Gas Management | 地铁杂散电流干扰对埋地管道的外腐蚀影响及腐蚀风险评估方法研究 Study on the Influence of Subway |

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| | | | | Department of PetroChina Southwest Oil & Gas field Company | Stray Current Interference on the External Corrosion of Buried Pipelines and the Corrosion Risk Assessment Method |
| T04 | 16:20 | 16:45 | 秦永祥 Qin Yongxiang | 中国民航大学机场学院 Airport College, Civil Aviation University Of China | 直流杂散电流对埋地管道电位干扰研究 Study on Potential Interference of DC Stray Current to Buried Pipeline |
| T05 | 16:45 | 17:10 | Sun Dongxu | Key Laboratory of Oil & Gas Storage and Transportation, College of Petroleum Engineering, Liaoning Shihua University College of Pipeline and Civil Engineering, China University of Petroleum | A Three-Dimensional Coupled Finite Element Model for the Simulation of Stress Corrosion on Pipeline Steel |
| T06 | 17:10 | 17:35 | 付川 Fu Chuan | 中国石油大学(华东) China University of Petroleum (East China) 中国石油天然气股份有限公 司规划总院 Petrochina Planning and Engineering Institute | 基于残差修正的冬季天然气日负荷预测 模型——以北京市为例 Forecast on Daily Gas Load Based on Modified Residual Error in Winter : A Case Study of Beijing |
| T07 | 17:35 | 18:05 | 刘颖 Liu Ying | 中国石油天然气股份有限公 司西南油气田分公司输气管 理处 Gas transmission management division of petrochina southwest oil & gas field company of CNPC | 浅谈管道开放能力评价指标体系 Analysis the Evaluation Index System of Pipeline Opening Capacity |
| | 18:05 | | 晚餐 Dinner | | |

Day 3 5月18日下午 技术分会场二
PM, May 18 Technical Symposia

分会场二：管道安全、风险评估和可靠性，地点：波斯顿厅 1

Track 2 : Pipeline Safety, Risk Assessment and Reliability , Meeting Room: Bossdun 1

| 主持人 Session Chair | | 冯庆善 Feng Qingshan | | 中国石油管道公司储运分公司总经理、教授级高工 President, PetroChina Pipeline Storage & Transportation Co., LTD | |
|----------------------|-------|----------------------|------------------------------|--|---|
| No. | Start | End | 演讲人 Speaker | 单位 Organization | 题目 Presentation Title |
| | 13:55 | 14:00 | 分会场简介 Symposium Introduction | | |
| K03 | 14:00 | 14:25 | Wenxing Zhou | 加拿大西安大略大学副教授 Associate Professor, The University of Western Ontario | 纵向地面移动条件下的管道可靠性分析 Reliability of Pipelines Subjected to Longitudinal Ground Movement |
| K04 | 14:25 | 14:50 | Yansheng Yu | 加拿大安桥管道公司高级工程师 Senior engineer, Enbridge Inc. | 管道清管器自动过站设施的设计 Design of Automatic Pipe Crossing Facility for Pipeline Pigs |
| K05 | 14:50 | 15:15 | 王春生 Wang Chunsheng | 东北石油大学石油工程学院 Department of Petroleum Engineering, Northeast Petroleum University | 卧底管-悬链线立管严重段塞流判定数学模型 Mathematic Model of Severe Slugging Judgment for Pipeline-Catenary Riser System |
| K06 | 15:15 | 15:40 | Lei Zhang | 里贾纳大学副教授 University of Regina | 基于机器学习的超声导波管道检测系统设计 Ultrasound Guided Waves Testing System Design for Pipeline Inspection Using Machine Learning |

| | 15:40 | 15:55 | 茶歇 Tea & Coffee Break | | |
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| T08 | 15:55 | 16:20 | 刘翠伟 Liu Cuiwei | 中国石油大学(华东)副教授 Associate Professor, China University of Petroleum (East China) | 油气管道泄漏过程的气泡动力学行为研究 Study on Bubble Dynamics Behavior of Oil and Gas Pipeline Leakage Process |
| T09 | 16:20 | 16:45 | 古 芑 Gu Peng | 西南石油大学石油与天然气 工程学院 College of Petroleum & Natural Gas Engineering, Southwest Petroleum University | 车辆碾压载荷下埋地输气管道的动力响应研究 Analysis of Dynamic Response of Buried Gas Pipeline by Vehicle Loads |
| T10 | 16:45 | 17:10 | 邢潇 Xing Xiao | 中国石油大学(华东)讲师 Lecturer, China University of Petroleum (East China) | 关于管道相变的分子动力学研究和管道寿命的简化模型 The Molecular Dynamics Study of Phase Transformation in Pipeline and a Simplified Model to Predict Pipeline Durability |
| T11 | 17:10 | 17:35 | 陈丽娜 Chen Li-na | 中国石化胜利油田分公司技术检测中心 Technology Inspection Center, ShengLi oil Field | 基于检测数据的油气集输管道失效故障树建立 Establishment of Fault Tree for Oil and Gas Gathering Pipeline Based on Detection Data |
| T12 | 17:35 | 18:05 | 刁瑞 Diao Rui | 中国石油大学(华东)讲师 Lecturer, China University of Petroleum (East China) | Monte Carlo Simulation of CH ₄ and CO ₂ Adsorption in Shale Organic Slit Nanopores with Implications for CO ₂ Enhanced Shale Gas Recovery |
| | 18:05 | | 晚餐 Dinner | | |

Day 3 5月18日下午 技术分会场三

PM, May 18 Technical Symposia

分会场三：储运设备、自动化、信息化和智能化，地点：波斯顿厅 2

Track 3 : Storage and Transportation Equipment and Automation , Meeting Room: Bossdun 2

| 主持人 Session Chair | | 赵赏鑫 Zhao Shangxin | | 中国石油北京天然气管道有限公司副总经理 VP, Petrochina Beijing Natural Gas Pipeline Company Limited | |
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| No. | Start | End | 演讲人 Speaker | 单位 Organization | 题目 Presentation Title |
| | 13:55 | 14:00 | 分会场简介 Symposium Introduction | | |
| K07 | 14:00 | 14:25 | Micheael J .Monea | 加拿大碳捕集利用与封存 知识国际中心总裁 President and Chief Executive Officer | 工业化碳捕集利用与封存项目二氧化碳管道运输 CO2 Pipeline transportation for commercial CCUS/EOR |
| K08 | 14:25 | 14:50 | 董绍华 Dong Shaohua | 中国石油大学（北京）教授 Professor, CUP | 智慧管道与人工智能新进展 New Progress in Smart Pipelines and Artificial Intelligence |
| T13 | 14:50 | 15:15 | 苏怀 Su Huai | 中国石油大学（北京） China University of Petroleum (Beijing) | 天然气管网运行大数据深度应用方法思考 Sophisticated Application of Big Data in Natural Gas Pipeline Network Operation |
| T14 | 15:15 | 15:40 | 朱炜 Zhu Wei | 艾图科（上海）防腐技术有限公司 iCoaTek (Shanghai) Anti-Corrosion Technology Co., Ltd. | 长输管道防腐补口施工质量的数字化管理 Digital Management of Anti-corrosion Field Joint Application Quality of Long Distance Pipeline |
| | 15:40 | 15:55 | 茶歇 Tea & Coffee Break | | |
| T15 | 15:55 | 16:20 | 齐峰 | 西南石油大学石油与天然气 | 基于多米诺效应的输气站场保护层分析 |

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| | | | Qi Feng | 工程学院 College of Petroleum & Natural Gas Engineering , Southwest Petroleum University | 研究 Study of Layer of Protection Analysis for Gas transmission Station Base on Domino Effect |
| T16 | 16:20 | 16:45 | 王爱玲 Wang Ailing | 中国石油西南管道公司 Petro China Southwestern Pipeline Company | 山区管道阴极保护智能采集监控管理系统应用 Application of Intelligent Collection and Monitoring Management System for Cathodic Protection of Mountain Pipeline |
| T17 | 16:45 | 17:10 | 杨勇 Yang Yong | 中国石化胜利油田分公司技术检测中心 Technology Inspection Center, ShengLi oil Field | 瞬变电磁信号聚焦及管道壁厚检测试验研究 Experimental Study on Focusing of Magnetic Field for Transient Electromagnetic Method and Detection of Pipeline Wall Thickness |
| T18 | 17:10 | 17:35 | 孟岚 Meng Lan | 中国石油天然气集团公司地面工程试验基地 Oilfield Surface Engineering Pilot Test Center of CNPC | 典型长距离凝析气田混输管道平稳运行数值分析 Numerical Analysis on the Smooth Operation of Typical Long Distance Condensate Gas Field Pipeline |
| T19 | 17:35 | 18:05 | 范路 Fan Lu | 中国石油大学(华东)山东省油气储运安全重点实验室 Shandong Key Laboratory of Oil-Gas Storage and Transportation Safety, UPC | 基于关联分析算法的集输系统泵能耗研究 Study on Pump Energy Consumption of Gathering System Based on Correlation Analysis Algorithms |
| | 18:05 | | 晚餐 Dinner | | |

Day 4 5月19日上午 技术分会场一
AM, May 19 Technical Symposia

分会场一：油气输送工艺与腐蚀控制，地点：乔治亚厅 2

Track 1 : Oil & Gas Transportation and Corrosion Control , Meeting Room: Georgia 2

| 主持人 Session Chair | | 张劲军 Zhang Jingjun | | 中国石油大学（北京）教授 Professor, China University of Petroleum (Beijing) | |
|----------------------|-------|----------------------|------------------------------|---|--|
| No. | Start | End | 演讲人 Speaker | 单位 Organization | 题目 Presentation Title |
| | 8:15 | 8:20 | 分会场简介 Symposium Introduction | | |
| K09 | 8:20 | 8:45 | 彭世垚 Peng Shiyao | 中石油管道公司科技中心 Petrochina Pipeline R@D Center | 油气管道工艺与控制一体化仿真技术研究进展和发展趋势 The Development and Progress of Integrated Simulation Technology in Oil & Gas Pipeline Operation |
| K10 | 8:45 | 9:10 | 时公玉 Shi Gongyu | 胜利油田森诺胜利工程有限公司 Shengli Oilfield Sino Shengli Engineering Co.LTD | 长输管道工艺站场智能变频一体化生活污水处理及资源化利用 Long-distance Pipeline Process Station Intelligent Frequency Conversion Integrated Domestic Sewage Treatment and Resource Utilization |
| K11 | 9:10 | 9:35 | Cheng Qinglin | Key Laboratory for Enhanced Oil & Gas Recovery of the Ministry of Education, Northeast Petroleum University | Establishment of exergy consumption evaluation system and analysis of energy efficiency for crude oil pipeline transportation system |
| T20 | 9:35 | 10:00 | Xu Guangli | Petroleum Engineering School, Southwest Petroleum University | Analysis of the velocity and shear stress of the local water-diesel flow system |

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| | | | | Oil & Gas Fire Protection Key Laboratory of Sichuan Province | |
| | 10:00 | 10:15 | 茶歇 Tea & Coffee Break | | |
| T21 | 10:15 | 10:40 | 吴君强 Wu Junqiang | 中国石油大学(华东)储运 与建筑工程学院 College of Pipeline and Civil Engineering, China University of Petroleum Transportation Technology | 基于 FLUENT 的 90°弯管内水环流动特 性的研究 Study on Flow Characteristics of Core-annular Flow in 90° Elbow Based on Fluent Software |
| T22 | 10:40 | 11:05 | 姚博 Yao Bo | 中国石油大学(华东)副教 授 Associate Professor, China University of Petroleum (East China) | 微纳米复合降凝剂改善含蜡原油低温流 变性 Micro-/Nano-composite Pour Point Depressants Improve the Rheological Properties of Waxy Crude Oil |
| T23 | 11:05 | 11:30 | Guo Liping | College of Petroleum Engineering, Northeast Petroleum University | Characterization of a water-in-waxy crude oil emulsion by its steady apparent viscosity |
| T24 | 11:30 | 11:55 | 杨东海 Yang Donghai | 中国石油大学(华东)副教 授 Associate Professor, China University of Petroleum (East China) | 油田高含水原油低温流动特征试验研究 Experimental Study on Low-Temperature Flow Characteristics of High Water-Cut Crude Oil in Oilfield |
| | 11:55 | | 午餐 Lunch | | |

Day 4 5月19日上午 技术分会场二

AM, May 19 Technical Symposia

分会场二：管道安全、风险评估和可靠性，地点：波斯顿厅 1

Track 2 : Pipeline Safety, Risk Assessment and Reliability , Meeting Room: Bossdun 1

| 主持人 Session Chair | | 隋永莉 Sui Yongli | | 中石油廊坊管道局首席技术专家 Chief Technical Expert, China Petroleum Pipeline Bureau | |
|----------------------|-------|-------------------|------------------------------|---|--|
| No. | Start | End | 演讲人 Speaker | 单位 Organization | 题目 Presentation Title |
| | 8:15 | 8:20 | 分会场简介 Symposium Introduction | | |
| K12 | 8:20 | 8:45 | 赵雪峰 Zhao Xuefeng | 大庆油田建设设计研究院总 规划师、教授级高工 | 完整性管理技术在大庆油田埋地管道生 产管理中的应用 The Application of Pipeline Integrity Theory on Buried Pipeline of Daqing Oil Field |
| K13 | 8:45 | 9:10 | 梁法春 Liang Fachun | 中国石油大学（华东）教授 Professor, China University of Petroleum (East China) | 新型取样器取样比例控制及其在气液两 相计量中的应用 Extraction Ratio Control of a Novel Sampler and its Application in Gas-liquid Two-phase Flow Metering |
| K14 | 9:10 | 9:35 | 沐骏丞 Mu Juncheng | Kongsberg digital AS 中 国区技术总监 | Integrated Oil & Gas production simulation solution |
| K15 | 9:35 | 10:00 | 杨飞 Yang Fei | 中国石油大学（华东）教授 Professor, China University of Petroleum (East China) | Wax Deposition of Waxy Crude Oils: Effect of Asphaltenes |
| | 10:00 | 10:15 | 茶歇 Tea & Coffee Break | | |

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| T25 | 10:15 | 10:40 | 王武昌 Wang Wuchang | 中国石油大学(华东)副教授 Associate Professor, China University of Petroleum (East China) | 深水油气管道水合物流动安全保障研究 Study on Hydrate Flow Safety Guarantee of Deepwater Oil and Gas Pipeline |
| T26 | 10:40 | 11:05 | 蒋毅 Jiang Yi | 中国石油西南管道分公司技术中心 Technology Center of PetroChina Southwest Pipeline Branch | X60 钢矫顽力与应力关系实验研究 Experimental Study on Relationship Between Coercivity Force and Stress of X60 Steel |
| T27 | 11:05 | 11:30 | Gan Yifan | Key Lab of Ministry of Education for Enhancing the Oil and Gas Recovery Ratio, Northeast Petroleum University | Molecular Dynamics Study on Microscopic Mechanism of Dissolution, Diffusion and Aggregation Process for Waxy Molecules in the Process of Waxy Crude Oil Pipeline Transportation |
| T28 | 11:30 | 11:55 | Lin Xinyu | Key Laboratory for Enhanced Oil & Gas Recovery of the Ministry of Education, Northeast Petroleum University | The Role of Emulsified Water in the Wax Deposition Path of a Waxy Crude Oil Multiphase Transportation Pipeline |
| T29 | 11:55 | 12:15 | 边江 Bian Jiang | 中国石油大学(华东)储运 与建筑工程学院 College of Pipeline and Civil Engineering, China University of Petroleum (East China) | 收缩-扩张喷管内高含硫天然气流动特 性 Flow Characteristics of High Sulfur Natural Gas in Convergent -Divergent Nozzle |
| | 12:15 | | 午餐 Lunch | | |

Day 4 5月19日上午 技术分会场三

AM, May 19 Technical Symposia

分会场三：储运设备、自动化、信息化和智能化，地点：波斯顿厅 2

Track 3 : Storage and Transportation Equipment and Automation , Meeting Room: Bossdun 2

| 主持人 Session Chair | | 刘刚 Liu Gang | | 中国石油大学(华东)教授 Professor, UPC | |
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| No. | Start | End | 演讲人 Speaker | 单位 Organization | 题目 Presentation Title |
| | 8:15 | 8:20 | 分会场简介 Symposium Introduction | | |
| K16 | 8:20 | 8:45 | 胡建国 Hu Jianguo | 中国石油长庆地面建设与油气储运专业首席技术专家 PetroChina Changqing Ground Construction and Oil & Gas Transportation Engineering | 鄂尔多斯盆地致密油开发地面工程关键工艺技术研究 Research on Key Process Technology of Tight Oil Development Ground Engineering in Ordos Basin |
| K17 | 8:45 | 9:10 | Chepur Petr | 俄罗斯秋明工业大学副教授 Professor, Industrial University of Tyumen | 环形基础、土床、不均匀区的作用方面 Aspects of the joint operation of a ring foundation and a soil bed with zones of inhomogeneity present |
| K18 | 9:10 | 9:35 | 卢建明 Lu Jianming | 浙能天然气运行有限公司 Zhejiang Zhengneng Natural Gas Operation Co., Ltd. | 天然气智慧管网调度运行技术的探索与实践 Exploration and Practice of Gas Intelligent Pipeline Network Dispatching and Operation Technology |
| T30 | 9:35 | 10:00 | Yang Jinwei | Key Lab of Ministry of Education for Enhancing the Oil and Gas Recovery | Analysis on Optimize Operation of Trans-asia Gas Pipeline |

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| | | | | Ratio, Northeast Petroleum University; SINO-Pipeline International Company Limited | |
| | 10:00 | 10:15 | 茶歇 Tea & Coffee Break | | |
| T31 | 10:15 | 10:40 | 李大朋 Li Dapeng | 安科工程技术研究院(北京) 有限公司 Safetech Research Institute | 基于完整性管理的腐蚀大数据处理分析 技术研究 Research on Processing and Analysis Technology of Corrosion Data Based on Integrity Management |
| T32 | 10:40 | 11:05 | Wang Li | PetroChina Southwest Pipeline Company; China University of Petroleum (Beijing) | Research on Methods to Solve Emulsion Phenomenon in the Transportation of Diesel Through Pipeline |
| T33 | 11:05 | 11:30 | Zhang Yi | Department of Engineering Mechanics, College of Pipeline and Civil Engineering,UPC; Department of Mechanical Engineering, University of Alberta | Measurement of Environmental Stress Cracking Resistance of Polyethylene Pipe: A review |
| T34 | 11:30 | 11:55 | Liu Xiaoyan | School of Civil Engineering and Architecture, Northeast Petroleum University | CFD Analysis of Melting Process in Pipelines for Wax Removal by Hot Water |
| T35 | 11:55 | 12:15 | Li Xinze | SINOPEC PETROLEUM ENGINEERING CORPORATION | Challenges and Solutions in Process Analysis of Large Natural Gas Pipeline Network |
| | 12:15 | | 午餐 Lunch | | |

