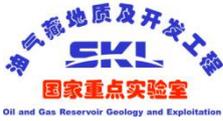




Southwest Petroleum University  
60th Anniversary  
1958-2018



State Key Laboratory of  
Oil and Gas Reservoir  
Geology and Exploitation



# Thermal EOR

International Workshop  
«Thermal Methods  
for Enhanced Oil Recovery:  
Laboratory Testing, Simulation  
and Oilfields Applications»  
Chengdu, 15-19 Oct. 2018

## 第三届国际稠油热采研讨会

### 第 3 号通知

稠油资源占世界油气储量 70%以上，经济高效开采对保障石油供给具有重要现实意义。在当前低油价环境下，如何降低稠油开采成本、节能增效与绿色环保已成为稠油热采的重要主题。为促进稠油热采技术国际间的学术交流和推动稠油开采科技进步，西南石油大学油气藏地质及开发工程国家重点实验室拟定于 2018 年 10 月 15 日至 10 月 18 日在中国成都召开第三届国际稠油热采研讨会。议题为“基础理论、模拟方法和现场应用”。

#### 一、会议时间安排

1、时间：2018 年 10 月 15 日-18 日，10 月 14 日全天在石油缘宾馆一楼大厅报到（四川省成都市新都区新都大道 8 号西南石油大学）。

#### 2、会议安排：

10 月 15 日：技术培训、参观国家重点实验室

10 月 16 日-17 日：开幕式、大会特邀报告和主题报告

10 月 18 日：分会场报告

## 二、主办单位和协办单位

主办单位：西南石油大学

油气藏地质及开发工程国家重点实验室

俄罗斯喀山联邦大学

协办单位：辽河油田-西南石油大学国家能源中心西南分中心

西南石油大学-新疆油田分公司提高采收率工程联合实验室

## 三、会议主题

- 蒸汽吞吐
- 蒸汽驱/蒸汽复合驱
- 蒸汽辅助重力泄油
- 超临界水蒸气热力采油技术
- 火烧油层
- 高压注空气
- 稠油改质
- 太阳能在稠油开发中的应用
- 电磁加热技术
- 热力采油新型注入设备研发
- 热力采油数值模拟方法及方案优化设计
- 热力采油经济评价方法
- 低渗透油藏高压注空气提高采收率
- 热采技术与生态环境
- 热力采油经济评价方法
- 现场试验和开发实例分析

#### 四、学术委员会

主 席：赵金洲	西南石油大学校长
副 主 席：周守为	院士/中国科协副主席/国家重点实验室主任
Danis Nurgaliev	Vice-President of Kazan Federal University
张烈辉	西南石油大学副校长
Mustafa Versan Kok	President of Middle East Technical University

#### 国际委员：

Pedro Pereira Almao	University of Calgary, Canada
Marat Amerkhanov	Tatneft Oil Company, Russia
Dmitry Antoniadi	Institute of Oil, Gas and Energetics, Kuban State Technological University, Russia
John Belgrave	Belgrave Oil & Gas Corp., Calgary, Canada
Alexey Cheremisin	Skolkovo Institute of Science and Technology, Russia
Claude Gadelle	Xytel, USA
Malcolm Greaves	University of Bath, UK
Berna Hascakir	Texas A&M University, USA
Qi Jiang	SKL, Southwest Petroleum University, China
Viatcheslav Kafarov	Industrial University of Santander, Colombia
Genbao Qian	Xinjiang Oilfield Company, China
Anthony Kovscek	Stanford University, USA
Sudarshan Mehta	University of Calgary, Canada
Gordon Moore	University of Calgary, Canada
Wanfen Pu	SKL, Southwest Petroleum University, China
Vural Sander Suicmez	Editor-in-Chief, Journal of Petroleum Science and Engineering, Denmark
Hongzhuang Wang	RIPED, China
Alex Turta	A T EOR Consulting Inc., Canada

Zhangxing Chen University of Calgary, Canada

Fanhua Zeng University of Regina, Canada

Qicheng Liu Liaohe Oilfield Company

## 五、组织委员会

主 席：	张烈辉	西南石油大学副校长
委 员：	郭 肖	西南石油大学油气藏地质及开发工程国家重点实验室 副主任
	Ildus Chukmarov	俄罗斯喀山联邦大学地质与石油技术学院副院长
	李晓平	西南石油大学石油与天然气工程学院院长
	杨兆中	西南石油大学科研处处长
	戴 磊	西南石油大学国际合作与交流处副处长
	李早元	西南石油大学研究生院副院长
	蒲 勇	西南石油大学学生工作部（研究生工作部）部长
	蒲冠州	西南石油大学党办校办副主任
	Vladislav Sudakov	俄罗斯喀山联邦大学地质与石油技术学院副院长
	Valentina Starshinova	俄罗斯喀山联邦大学全球能源与资源研究中心
	卞小强	西南石油大学石油与天然气工程学院副院长
秘书长：	Mikhail Varfolommev	俄罗斯喀山联邦大学全球能源与资源研究中心主任
	魏 兵	油气藏地质及开发工程国家重点实验室

## 六、论文摘要和全文要求

1. 论文摘要：英文（不超过 300 字），网上投稿请访问：

<http://sklworkshop.swpu.edu.cn>

2. 论文摘要经委员会评审录用后作为分会报告或展板。

3. 优秀论文全文经委员会推荐至期刊 Journal of Petroleum Science and Engineering, Advances in Geo-Energy Research (AGER), Petroleum。

## 七、会务费

会议注册费为每人 3000 元（学生 1000 元），包括工作餐、培训费、论文印刷费和资料费等，住宿费自理。

## 八、会务组联系

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## Training courses on 15<sup>th</sup> Oct.

Academic Hall A403 of Skate Key Laboratory, Southwest Petroleum University

Instructor: Prof. Alex Turta, A T EOR Consulting Inc., Canada

Content	Time
Long-distance and short-distance oil displacement methods and THAI Process and its upgrading potential	09:00-10:30
Break	10:30-10:45
Stream drive in toe-to-heel configuration; improvement by adding solvent.	10:45-12:15
Lunch	12:15-13:30
Toe-to-Hell waterflooding and results of limited field testing	13:30-15:00
Break	15:00-15:15
Merits and Limits of gravity-stable, TTH oil displacement methods and further possible developments.	15:15-16:45
SKL visit	16:45-18:00

## Conference Agenda on 16<sup>th</sup> Oct. (Morning)

### Opening Ceremony

**President: Jinzhou Zhao**

**Library Academic Hall, Southwest Petroleum University**

08:30-08:50	Welcoming Speech		
	Taking pictures		
<b>Plenary Lectures</b> Chairs: Liehui Zhang, Erling Stenby Library Academic Hall, Southwest Petroleum University			
Time	Lecturer	Institution	Title
08:50-09:30	Qi Jiang	Southwest Petroleum University	Improve Efficiency for Thermal Heavy Oil-Recovery Opportunities and Challenges
09:30-10:10	Ian D. Gates	University of Calgary, Canada	Design of Thermal Recovery Processes Minimizing Emissions and Maximizing Energy Efficiency
10:10-10:30	Coffee Break		
<b>Key-note Lectures</b> Chairs: Danis Nurgaliev, Pedro Pereira Almaso Library Academic Hall, Southwest Petroleum University			
10:30-11:00	Qiang Song	Tsinghua University, China	Coke Formation during Thermal Conversion of Heavy Oil
11:00-11:30	Alex Turta	A T EOR Consulting Inc., Canada	Field Testing of the THAI Process: Current Status
11:30-12:00	Mustafa Versan Kok	Middle East Technical University, Turkey	Low Temperature Oxidation of Heavy Crude Oils
12:00-13:00	Lunch		

## Conference Agenda on 16<sup>th</sup> Oct. (Afternoon)

### Plenary Lectures

**Chairman: Ian D. Gates, Birol Dindoruk**

**Library Academic Hall, Southwest Petroleum University**

Time	Lecturer	Institution	Title
13:30-14:10	Hongzhuang Wang	Research Institute of Petroleum Exploration and Development, China	title to be announced
14:10-14:50	Vural Sander Suicmez	Maersk Oil and Gas AS, Denmark	EOR: Past, Present and Future
14:50-15:10	Coffee Break		

### Key-note Lectures

**Chairman: Tayfun Babadagli, Fanhua Zeng**

**Library Academic Hall, Southwest Petroleum University**

Time	Lecturer	Institution	Title
15:10-15:40	Claude Gadelle	Xytel Inc., USA	How to improve efficiency of thermal methods for oil recovery?
15:40-16:10	Pedro Pereira Almao	University of Calgary, Canada	Experimental in Core Evidences and numerical simulation of Nano-Catalysts Dispersion and Hot Fluids Penetration Within Narrow Pores at conditions of In Situ Upgrading for Oil Sands and Carbonate Reservoirs
16:10-16:40	Sudarshan Mehta Robert Gordon Moore	University of Calgary, Canada	Keys to the Design and Field Implementation of Successful Air Injection-Based EOR Processes for Heavy-and Light-Oil Reservoirs
16:40-17:00	Coffee Break		
17:00-17:30	Mikhail Varfolomeev, Danis Nurgaliev	Kazan Federal University, Russia	Catalytic In-situ Oil Upgrading for Heavy Oil Recovery: Advantages and Problems
17:30-18:00	Wanfen Pu	Southwest Petroleum University, China	Super-heavy Oil

## Conference Agenda on 17<sup>th</sup> Oct. (Morning)

### Plenary Lectures

**Chairman: Hongzhuang Wang, Vural Sander Suicmez**  
**Library Academic Hall, Southwest Petroleum University**

Time	Lecturer	Institution	Title
08:30-09:10	Biröl Dindoruk	Shell International E&P, USA	Properties of Heavy Hydrocarbons/Oils & What You Need to Know for Recovery Processes
09:10-09:50	Erling Stenby	Technical University of Denmark, Denmark	Compositional Modeling for Thermal EOR Simulation
09:50-10:10	Coffee Break		
10:10-12:00	Poster Session <b>Outside Library Academic Hall, Southwest Petroleum University</b>		
12:00-13:30	Lunch		

## Conference Agenda on 17<sup>th</sup> Oct. (Afternoon)

### Key-note Lectures

**Chairman: Sudarshan Mehta, Mustafa Versan Kok**

**Library Academic Hall, Southwest Petroleum University**

Time	Lecturer	Institution	Title
13:30-14:00	Jingjun Pan	Research Institute of Engineering Technology of Xinjiang Oilfield, China	title to be announced later
14:00-14:30	Fanhua Zeng	University of Regina, Canada	How solvent and heat can work together in heavy oil recovery?
14:30-15:00	Alexey Cheremisin	Skolkovo Institute of Science and Technology, Russia	Thermochemical Enhanced Oil Recovery Methods for Unconventional Reservoirs
15:00-15:20	Coffee Break		
15:20-15:50	Tayfun Babadagli	University of Alberta, Canada	Myths and Facts about EOR and Getting Ready for New Challenges Ahead of Us
15:50-16:20	Jorge Ancheyta	Mexican Institute of Petroleum	Upgrading of Heavy and Extra-Heavy Petroleum by Moderate Hydrotreating
16:20-16:50	Guan Wenlong; Xi Changfeng; Chen Long; Muhetar; Gao Chengguo; Tang Junshi; Li Qiu	Field control technologies of combustion assisted gravity drainage (CAGD)	PetroChina, China
16:50-17:20	Alternate		

## Conference Agenda on 18<sup>th</sup> Oct.

### Session 1: Air Injection Technologies

**Chairs: Mikhail Varfolomeev, Bing Wei; Alexey Cheremisin, Qiang Song**  
**Academic Hall A403 of Skate Key Laboratory, Southwest Petroleum University**  
**Time: 08.30-18.00**

No.	Authors and Affiliation	Presentation	Affiliation
01	I.S. Afanasiev; G.D. Fedorchenko; E.V. Lubnina S.S. Urazov	A new chemical model for LTO: from developing to pilot test result adjusting	JSC Zarubezhneft, Moscow, Russia
02	Lyudmila Khakimova; Tatiana Bondarenko; Alexey Cheremisin; Artem Myasnikov; Alexey Solovyev; Yaroslav Simakov; Elena Lubnina	Adaptation of high-pressure ramped temperature oxidation experiment for modelling of high-pressure air injection in carbonate reservoirs	Skolkovo Institute of Science and Technology, Moscow, Russia
03	Wei Wei; Jingyi Wang; Setayesh Afshordi	An Analysis of THAI at the Kerrobert Operation in Saskatchewan	University of Calgary, Canada
04	Dong Liu; Lijuan Chen;;Jianjun Liang; Xinjiang Oilfie	Coking model of heavy oil pyrolysis and oxidation based on SARA fractions	Tsinghua University; Xinjiang Oilfield Company, China
05	Chengdong Yuan	Deep insight into the oxidation mechanism of crude oils using HP-DSC, TG-FITR, EPR and NMR techniques	Kazan Federal University, Russia
06	Peng Zou; Bing Wei; Runnan Wu	Determination of the Interactions between SARA Fractions of Tahe Heavy Crude Oil during Combustion using TG/DSC Methods	Southwest Petroleum University, China
07	Jiang Haiyan; Du Kun; Yuan Shibao; Ren Zongxiao	Effect of Phase Behavior Change on In-situ Combustion	Xi'an shiyou University, China
08	Wanfen Pu; Zhezhi Liu;	Experimental Study of air injection in heavy oil reservoir for enhanced oil recovery	Southwest Petroleum University, China

09	Ma Qiang; Lin RIyi; Zhai Chong	Experimental study on dynamics and kinetics of heavy oil in fire flooding	China University of Petroleum, China
10	Shuyong Hu; Xinrui Hu; Lang He	In-situ combustion technology of heavy oil: review and prospects	Southwest Petroleum University, China
11	Siyuan Huang; James J. Sheng	Investigating spontaneous ignition feasibility during air injection enhanced oil recovery process using Frank-Kamenetskii theory	Southwest Petroleum University, China; Texas Tech University, USA
12	Shuai Zhao; Wanfen Pu	Low-temperature oxidation of heavy crude oil characterized by TG, NMR and EPR techniques typical function groups estimation and temperature subinterval division	Southwest Petroleum University, China
13	Li Qiu; Yi Leihao; Tang Junshi; Guan Wenlong; Jiang Youwei; Zheng Haoran; Zhou Jiuning; WangXiaochu	Mechanisms and influencing factors of the oil bank in fire flooding	PetroChina, China
14	Hu Jia; Li-hui Deng; Liwei Zhang	Numerical modelling on air injection EOR based on non-equilibrium theory	Southwest Petroleum University, China
15	Danis Nurgaliev; Dilyara Kuzina; Damir Khassanov; Pavel Yassonov; Mikhail Varfolomeev; Vladimir Morozov; Eduard Korolev; Andrei Galukhin; Chengdong Yuan; Wanfen Pu	Reservoir rocks magnetic properties changes during in-situ combustion (ISC): case study from Xinjiang oilfield	Kazan Federal University, Kazan, Russia
16	Ushakova Alexandra; Pu WanFen	Some approaches to the crude oil ignition investigation	Southwest Petroleum University, China
17	Yibo Li; Cheng Luo; Yaqian Zhang	The coke deposition phenomenon of heavy oil in the in-situ combustion process	Southwest Petroleum University, China

18	Yafei Chen; Wanfen Pu; Xiaolong Gong	The oxidation mechanism and in-situ combustion feasibility analyses of Tahe ultra-heavy oil in cave-fractured carbonate reservoir	Southwest Petroleum University, China
19	Tang Xiao-dong; Li Jing-jing; Dang Tun	The research on air injection technique for heavy oil recovery enhancement	Southwest petroleum University, China
20	Mustafa Abaas; Chengdong Yuan	The Effect of Different Rock Minerals on the Oxidation Behavior and Kinetics of Crude Oil by TG-FTIR method	Kazan (Volga region) Federal University, Russia

## Conference Agenda on 18<sup>th</sup> Oct.

### Session 2: Steam Injection Technologies

**Chairs:** Wanfen Pu, Pedro Pereira Almao; Jingjun Pan, Jorge Ancheyta

Academic Hall B401 of Skate Key Laboratory, Southwest Petroleum University

Time: 08.30-18.00

No.	Authors	Presentation	Affiliation
01	Zuhra R. Nasyrova; Abdullo H. Aliev; Raikhan R. Soldatova; Sergey M. Petrov	Aquathermolysis of heavy oil in the presence of minerals of carbonate rock	
02	Raikhan R. Soldatova;Sergey M.Petrov;NataliaYu.Bashkirceva;Anastasia A. Nosova	Comparison of reaction media of Aquathermolysis: water in different physical states	Kazan National, Russia
03	Sudakov V.; Stepanov A.; Khasanov D.	Complex Geophysical-Geochemical Monitoring Technology for Shallow Heavy Viscous Oil Deposits Development by Steam Injection Methods	Kazan Federal University, Russia
04	Wei Li; Guanghuan Wu	Enhancing heavy oil recovery mechanism and application of Foam-assisted steam flooding	Shengli Oilfield, China
05	Yi Su; Jingyi Wang; Ian Gates	ES-SAGD versus Warm Solvent in point bars Solvent hold-up and Performance	University of Calgary, Canada
06	Hao Gao; Wanfen Pu	Experimental investigation on enhanced heavy oil recovery by using carbon dioxide and urea assisted steam techniques	Southwest Petroleum University, China
07	Shengfei Zhang; Xia Zhang;Zhongyi Zhang;Xiuluan Li;Hongzhuang Wang; Xinge Sun	Experimental Study On The Flooding-Draining Nexus Process and Its Application In Post CSS Reservoir	RIPED, PetroChina;, China
08	Guangyue Liang; Shangqi Liu; Yang Liu; Yanyan Luo; Bin Han; Jixin Huang;	Feasibility, Application and Evaluation of Geomechanical Dilation by Polymer Injection Technology to Improve SAGD Process	Research Institute of PetroChina, China

09	Shengfei Zhang; Xiuluan Li; Hongzhuang Wang	Fundamental Study On The Role of NCG In SAGD Process	RIPED, PetroChina, China
10	Wei Zhang	High Temperature Downhole Safety Control Technology Study and Practice for Offshore Heavy Oil Steam Huff & Puff Well	CNOOC Ltd, Tianjin Branch, China
11	Kejun Wang	Low cost development technology for compound huff and puff of Shengli heavy oil reservoir	Exploration and Development Research Institute, SLOF, Sinopec, China
12	Songlin Dan	Predicting the Effects of Lean Zones on SAGD Recovery Performance Based on BP Neural Network	Research Institute of Petroleum Exploration & Development, PetroChina, China
13	Wang Hongyu	Realization and Evaluation of Cyclic Steam Stimulation Pilot for Offshore Oilfield, China	CNOOC Ltd, Tianjin, China
14	Fan Xiao	Research and Application of Multi-thermal Fluid Assisted Steam Stimulation Technology	Dongying Ruifeng Petroleum Technical Development Company, China
15	Hua Zhang	Research of High efficient Steam Injection Technology for Medium-deep-depth Heavy oilfield in Bohai Oilfield	CNOOC Ltd, Tianjin Branch, China
16	Xinge Sun; Li Ting; Ding Chao	Research on FAST-SAGD Development Technology in Fengcheng Oilfield	Xinjiang Oilfield Company, China
17	Huang Yong; ChenSen; You Hongjuan; Chen Dengya;Li Chang	Research on IPR simulation and parameter optimization of tail pipe in SAGD horizontal well	Engineering Technology Research Institute, PetroChina Xinjiang Oilfield Company, China
18	Xinge Sun; Genbao Qian; Chihui Luo	Research on Multi-branch SAGD Development Technology	PetroChina Xinjiang Oilfield Company, China
19	Guo Bin; Wang Zeyu	Study on the influence of pressure on the steam quality	University of Petroleum, China University of

			Petroleum, China
20	Shi Leiting; Zhu Shijie; Wang Shikai	Study the factors affecting high injection pressure during steam huff and puff process	Southwest Petroleum University, China
21	Bo Deng; Wei Liu; Hongbing Zhao; Yanan Song; Yanwei Liu	The World's First Large-scale Steam Huff And Puff Successfully Implemented In Deep And Heavy Oil Reservoir Offshore	Tincy Group Energy Co., Ltd, China University of Petroleum(East of China), China
22	Ning Qi; Xinghua Ren	Preparation of Polyacrylonitrile Modified Alkali Lignin Authigenic Expandable Foam Gel and Its Mechanism of Mobility Ratio Regulation in Steam Injection Wells	China university of petroleum(East China), China
23	Xinfeng Jia; Riyi Lin; Jiawei Li;Jiaming Liu; and Zhangxin Chen	Transient Convective Heat Transfer in a Steam-Assisted Gravity Drainage (SAGD) Process	College of Petroleum Engineering, China University of Petroleum(Beijing), China

## Conference Agenda on 18<sup>th</sup> Oct.

### Session 3: Heavy Oil Recovery

Chairs: Yibo Li Mustafa Versan Kok; Jincheng Mao, Alex Turta

Academic Hall B402(1) of Skate Key Laboratory, Southwest Petroleum University

Time: 08.30-18.00

No.	Authors	Presentation	Affiliation
01	Lin Tao; SunYongtao; Liu Haitao	Application of High Temperature and High Pressure Physical Simulation Experiment Technology in Heavy Oil Recovery	Southwest Petroleum University, China
02	Zhaozhong Yang; Jingyi Zhu; Xiaogang Li	Applications of Microwave Heating Technology in Heavy Oil and Bitumen Resources In-situ Upgrading and Recovery Enhancement	CNOOC Ltd, Tianjin Branch, China
03	Hao Liu	Case Study Research on Enhancing Efficiency Technology in Mid-to-Late Periods of Thermal Stimulation for Offshore Heavy Oil Field	Shengli Oilfield Company, China
04	Guanghuan Wu	Direction of effective replacement technologies for heavy oil reservoir development in Shengli Oilfield	CNOOC Enertech-Drilling & Production Co., China
05	Wenjun Ao; Bin Chen; Liang Kan; Chengsheng Wang; Zhao Renbao	Effect of CO <sub>2</sub> on Physical Properties of Heavy Oil and Dissolution and Diffusion Behavior of CO <sub>2</sub> in Heavy Oil	Tsinghua University; Xinjiang Oilfield Company, China
06	Ruonan Zheng; Jingjun Pan; Lijuan Chen	Effects of main clay minerals on the thermal conversion characteristics of heavy oils	Lukoil Engineering Ltd, Russia
07	Oleg Morozjuk	Experimental studies of the technology of extracting super-viscous oil from a carbonate reservoir using CO <sub>2</sub>	SamaraNIPIneft, Russia
08	A.S. Osokin; D.S. Lachugin; K.V. Pchela; A.E. Manasy	Improving the Development of Heavy Oil Fields	University of Calgary, Canada

09	Ran Luo; Jingyi Wang; Ian Gates	Mechanisms of Flue Gas EOR in Heavy Oil/Oil Sands Systems	Research Institute of Exploration and Development, Shengli Oilfield Company, SINOPEC, China
10	Liu Zupeng	Numerical Simulation of Water Cut Control and Oil Production Stabilization on Super-heavy Oil Reservoir with Bottom and Edge Water	Samara State technical University, Russia
11	Andrei Tiutiaev; Irina Dolzhikova; Andrei Dolzhikov; Mamed Salgiraev	Optimization of temperature regimes of well electric heating with asphaltene, resin, wax depositions and high-viscosity oil	Ukhta State Technical University
12	Durkin Sergey; Menshikova Irina	Problems and ways to solve the development of heavy oil fields with complex geological conditions	CNOOC Ltd, Tianjin Branch, China
13	Yigang Liu; Qiuxia Wang	Research and Practice of Heavy Oil Thermal Recovery Technology in Bohai Oilfield	Shengli Oilfield Company, SINOPEC, China
14	Zupeng Liu	Research on the Cyclic CO <sub>2</sub> Injection Technology for Ordinary Heavy Oil Reservoir	China University of Petroleum, China
15	Qiang Ma; Riyi Lin	Study on the Formation Mechanism of H <sub>2</sub> S by Thermochemical Sulfate Reduction During Heavy Oil Thermal Recovery	Xi'an shiyou University, China
16	Yuan Shibao; Ren Zongxiao; Bai Yu; Jiang Haiyan; Li Dongsheng	The Study on the Mechanism of H <sub>2</sub> S Production during Thermal Recovery of Heavy Oil	Southwest Petroleum University, China

## Conference Agenda on 18<sup>th</sup> Oct.

### Session 4: Complex; Hybrid and Advanced Technologies and Methods in Thermal EOR

Chairs: Ying Wang, Fanhua Zeng, Junshi Tang

Academic Hall B402(2) of Skate Key Laboratory, Southwest Petroleum University

Time: 08.30-18.00

No.	Authors	Presentation	Affiliation
01	Victor Kireev; Liana Kovaleva; Rasul Zinnatullin; Ruslan Sultanguzhin	A Comparative Study of Radio-Frequency and Conventional Electric Heating of Bottom Hole Zone	Bashkir State University, Ufa
02	Jing-jing Li; Tun Dang; Xiao-dong Tang;	Enhance Oil Recovery for Air-assisted Steam Flooding: The Effect of Oxidative Viscosity Increasing and Profile Control	Southwest Petroleum University, China
03	Tatiana Bondarenko; Alexey Cheremisin; Sergei Antonov; Alexander Mishin; Evgeny Popov; Mikhail Spase	Evaluation of supercritical water injection potential for in-situ synthetic oil generation from oil shale: Bazhenov Formation	skolkovotech, Russia
04	Nikitina E.A.; Kuzmichev A.N.; Tolokonsky S.I.	Experimental definition for the kinetics of the thermal exposure on carbonate reservoirs	VNIIneft, Moscow, Russia
05	Diego Sandoval; Erling H. Stenby; Wei Yan	Gas Injection Modeling in Shale	Center for Energy Resources Engineering, Department of Chemistry, Technical University of Denmark, Denmark
06	A.A. Al-Muntaser; M.A. Varfolomeev; M.A. Suwaid	Hydrothermal upgrading of heavy oil in the presence of water depending on its phase state at 200 – 400°C	Kazan Federal University, Russia

07	I.Sh.S. Salih; I.I. Mukhamatdinov; A.V. Vakhin; Kazan Fedral University	Influence of the oil soluble precursors of catalysts on the fractional composition of resins and asphaltenes in the hydrothermal process	Kazan Fedral University, Russia
08	Aliya MUKHAMETDINOVA; Tatiana BONDARENKO; Evgeny POPOV; Alexey CHEREMISIN; Viktor NACHEV	Investigation of the porous structure of unconventional core during high-pressure air and supercritical water injection	skolkovotech, Russia
09	M. Spasennykh; A. Voropayev; T. Bondarenko; E. Popov; A. Cheremisin; S.A. Mehta	Light Isotope Variations in Thermal EOR Processes (In Situ Combustion and Steam Injection, Pyrolysis): Results of Laboratory Experiments	skolkovotech, Russia
10	A. Askarova; A. Cheremisin; S. Ursegov;	Modeling of Hybrid Thermal EOR Methods For Carbonate Reservoirs	Skolkovo Institute of Science and Technology, Moscow, Russia
11	Popov Yu.; Chekhonin E.	Role of new technologies of thermal petrophysics in enhancement of thermal EOR efficiency	Skolkovo Institute of Science and Technology
12	E.V. Yudin; A.A. Lubnin; E.V. Lubnina	New engineering software for screening; ranking and efficiency estimation of thermal EOR methods	JSC Zarubezhneft, Moscow, Russia
13	Gubaidullin Azat Gumarovich; Moguchev Alexander Ivanov	Review of modern trends of geomechanical modeling of oil and gas well construction of unconventional oil and gas fields	Ufa State Petroleum Technological University, Ufa
14	Wang Ruyan	The Application of the Magnetic Method to Monitor In-situ Combustion Front in Heavy Oil Reservoir	Xinjiang Oilfield Company, PetroChina, China

