



TECHNICAL PROGRAM

38TH IEA-EOR WORKSHOP AND SYMPOSIUM 2017

26TH - 30TH SEPTEMBER, 2017 - RIVIERA MAYA, MEXICO

OPENING

TUESDAY 26TH

17:00	Executive Committee meeting	19:00
19:00	Opening and welcome remarks: IEA TCP, SENER, CNH	19:35
19:35	Chairman IEA EOR TCP speech concerning Colombia joining	19:40
19:40	Signing of IEA EOR TCP Amendment by Colombian representative	19:50
19:50	Colombian representative speech on Colombia joining IEA EOR TCP	20:00

20:00	Icebreaker	20:30
20:30	Dinner	22:30

- A** A: Studies of fluids and interfaces in porous media
- B** B: Surfactants and polymers
- C** C: Thermal Recovery
- D** D: Gas flooding techniques
- F** F: Emerging Technologies
- S** S: EOR in Fractured Reservoirs

08:00	<Registration>			08:35	
08:35	B	<Experiences with Foam-Surfactant Chemical EOR Application in Naturally Fractured Reservoirs of Mexico: a Way Forward for Future>	Maghsood ABBASZADEH¹ Fernando RODRIGUEZ ¹ Antonio VILLAVICENCIO George HIRASAKI ²	1: INNOVATIVE PETROTECH SOLUTIONS 2: RICE UNIVERSITY	09:00
09:00	B	<Application of Polymers at High Temperature: Experimental Evaluation and Pilot Design>	Jaime JIMENEZ Alvaro VILLAR Jose ZAPATA	ECOPETROL	09:25
09:25	B	<A look at a Polymer Flood Pilot Test in Petrocedeño>	Alberto BRITO Edgar VASQUEZ Liliana SUE	PDVSA	09:50
09:50	B	<Chromatography Effects in Alkali Surfactant Polymer Flooding >	Markus LUEFTENEGGER Torsten CLEMENS	OMV	10:15
10:15	B	<Mechanism Study on Chemical Enhanced Oil Recovery with Low Surfactant Concentration>	Jing TIAN Youyi ZHU Hong YUAN	RESEARCH INSTITUTE OF PETROLEUM EXPLORATION & DEVELOPMENT, CNPC	10:40
10:40	<Break>			11:00	
11:00	B	<Advanced selection guidelines for synthetic polymers for chemical recovery processes based on their shear and hardness tolerances - New insight>	Guillaume DUPUIS Nicolas GAILLARD	SNF FLOERGER	11:25
11:25	B	<Studies on Movable Gel and ASP Hybrid Flooding Further EOR for Daqing Reservoir after Polymer Flooding >	Jian FAN Youyi ZHU	RESEARCH INSTITUTE OF PETROLEUM EXPLORATION AND DEVELOPMENT, CNPC	11:50
11:50	B	<Colloidal Dispersion Gels (CDG) to Improve Volumetric Sweep Efficiency in Waterflooding Processes>	Gustavo MAYA Juan LEON Rubén CASTRO	ECOPETROL	12:15
12:15	B	<Studies on a Hybrid of Foam and ASP Flooding EOR for a Complex Fault Block Sandstone Reservoir>	Youyi ZHU Yousong LUO Jian FAN	RESEARCH INSTITUTE OF PETROLEUM EXPLORATION AND DEVELOPMENT, CNPC	12:40
12:40	<Lunch>			14:10	
14:10	C	<Near Wellbore and Reservoir Effects in In-Situ Combustion>	Mario RODRIGUEZ ¹ Torsten CLEMENS ¹ Guenther GLATZ ² Anthony KOVSCEK ²	1:OMV 2: STANFORD UNIVERSITY	14:35
14:35	C	<An Optimization Algorithm For Evaluation of Crude Oil Combustion Kinetic Parameters>	Kuy KOH¹ Luiz BITTENCOURT ² Margot GERRITSEN ² Anthony KOVSCEK ²	1: STANFORD UNIVERSITY AND PEMEX E&P 2: STANFORD UNIVERSITY	15:00
15:00	C	<Field Case of SAGD Application in a Heavy Oil Reservoir: Senlac, Canada>	Eric DELAMAIDE	IFP TECHNOLOGIES (CANADA) INC	15:25
15:25	C	<Thermal Evaluation, Selection Criteria and Design Wells, of the Area Subjected to Thermal Recovery Process with Cyclic Steam Injection, San Tomé District, Faja Petrolifera Del Orinoco Hugo Chavez F>	Jesus RODRIGUEZ, Francisco ARMAS Salvador SALAZAR Fidel ALVAREZ	PDVSA	15:50
15:50	<Break>			16:10	

16:10	C	<In-Situ Upgrading: A Thermo-Catalytic Process of EOR and Oil Upgrading (Laboratory Case of a Naturally Fractured Reservoir of Heavy Oil: Tekel)>	Silvia CHÁVEZ ¹ Pedro PEREIRA ²	1: PEMEX 2: UNIVERSITY OF CALGARY	16:35
16:35	D	<Improved utilization of APG through the miscible displacement process in reservoirs with gas cap>	<u>Vitaly KUNTSEVICH</u> Nikolay GLAVNOV Maiia VERSHINANA	GAZPROMNEFT	17:00
17:00	D	<Carbon dioxide saturated water injection for EOR in carbonate rocks>	<u>Mai SHIMOKAWARA</u> ^{1,2} Elakneswaran YOGARAJAH ¹ Toyoharu NAWA ¹ Satoru TAKAHASHI ²	1: HOKKAIDO UNIVERSITY 2: JOGMEC	17:25
17:25	D	<Gas realization efficiency improvement from the group of field by miscible recycling gas injection >	<u>Nicolay GLAVNOV</u> Vladimir BABIN Vitaly KUNTCEVICH Artem PENIGIN	GAZPROMNEFT	17:50
20:00			<Dinner>		22:30

08:00		<Registration>			08:35
08:35	F	<A two phase simulation of gel injection with functionalized silica nanoparticles>	Bahador NAJAFIAZAR¹ Dag WESSEL-BERG Per BERGMO Ole TORSÆTER ¹ Torleif HOLT ²	1: NTNU 2: SINTEF PETROLEUM RESEARCH	09:00
09:00	F	<Rapid and Cost-Efficient Investigations of EOR Processes Using Microfluidics Technologies>	Leonhard GANZER ¹ Jonas WEGNER ² Diethard KRATZER ³	1: TU CLAUSTRAL 2: HOT MICROFLUIDICS GMBH 3: HOT ENGINEERING GMBH	09:25
09:25	F	<Organic composition of calcite surfaces of North Sea Chalk samples and the effect on wettability and rock-fluid chemistry>	Karen Feilberg Dmytro MIHRIN Casper HOECK	TECHNICAL UNIVERSITY OF DENMARK	09:50
09:50	F	<Modeling additional oil recovery by low salinity designed composition water flooding in lab cores >	Manuel CORONADO Martín DIAZ Enrique SERRANO Ed WILSON José MITRE	INSTITUTO MEXICANO DEL PETRÓLEO	10:15
10:15	F	<Optimal salinity, a key parameter during surfactant formulation>	Benoit CRETON Claire MARLIERE	IFP ENERGIES NOUVELLES	10:40
10:40		<Break>			11:00
11:00	F	<Recent updates on Smart Water injection strategies for optimized EOR in sandstone reservoirs>	Iván PIÑEREZ Haker ABDULLAH Tord BLEVIK Tina PUNTERVOLD Skule STRAND Tor AUSTAD	UNIVERSITY OF STAVANGER	11:25
11:25	F	<Prediction, Control and Validation of Rock Dissolution and its Impact on Smart Water Injection Performance in Carbonate Heavy Oil Reservoirs>	Heron GACHUZ ¹ Mehran SOHRABI ²	1: PEMEX E&P 2: HERIOT WATT UNIVERSITY	11:50
11:50	F	<Effect of Cations on Adsorption of Oil Molecule onto Calcite Surface: Toward Improved Description of Low-Salinity EOR>	Yunfeng LIANG¹ Yoshihiro Masuda ¹ Yugo HYOTANI ² Kazuya KOBAYASHI ² Sumihiko MURATA ² Satoru TAKAHASHI ³	1: THE UNIVERSITY OF TOKYO 2: KYOTO UNIVERSITY 3: JOGMEC	12:15
12:15	F	<Combined Controlled Salinity Bio-surfactant Enhanced Oil Recovery in Carbonate Rocks>	Tinuola UDOH^{1,2} Lateef AKANJI ¹ Jan VINOGRADOV ¹	1: UNIVERSITY OF ABERDEEN 2: AKWA IBOM STATE UNIVERSITY	12:40
12:40		<Lunch>			14:10

14:10	F	<Polymer Selection for High Salinity/High Temperature Carbonate Reservoirs>	<u>Robert FORTENBERRY</u>	ULTIMATE EOR SERVICES	14:35
14:35	F	<Surfactant Flooding of Heavy Oil>	<u>Petro NAKUTNY</u> Santhosh VEERABHADRAPPA Gay RENOUF	SASKATCHEWAN RESEARCH COUNCIL	15:00
15:00	F	<Artificial intelligence based on neuro-fuzzy algorithm for technical screening of enhanced oil recovery Techniques: A case study of Block T in offshore Angola>	<u>Geraldo RAMOS</u> ^{1,2,3,4} Lateef AKANJI ¹	1: UNIVERSITY OF ABERDEEN 2: SONANGOL EP 3: ACADEMIA SONANGOL 4: ISPTec - DET	15:25
15:25	F	<Enhancing oil recovery from dolomitic reservoirs- investigation of temperature limitations>	Tina PUNTERVOLD Skule STRAND Iván PIÑEREZ Paul HOPKINS Tor AUSTAD	UNIVERSITY OF STAVANGER	15:50
15:50		<Break>			16:10
16:10	F	<Lab Scale Uncertainty Quantification Associated With Low Salinity Water Flooding>	Markus ZECHNER Anthony KOVSCEK	STANFORD UNIVERSITY	16:35
16:35	A	<Double displacement process project implementation planning and field test at Akal reservoir, Mexico>	Guadalupe LUNA Marcos TORRES Nemesio HERNÁNDEZ Pedro SÁNCHEZ	PEMEX	17:00
17:00	A	<CT-scan monitoring of combined chemical EOR processes in fractured carbonate cores>	<u>David ROUSSEAU</u> ¹ Elisabeth ROSENBERG ¹ Michel ROBIN ¹ Bernard BOURBIAUX ¹ Serge GAUTIER ¹ Max CHABERT ² Eloïse CHEVALIER ²	1: IFP ENERGIES NOUVELLES 2: SOLVAY	17:25
17:25	A	<CT scannings of core floods: Quantitative analysis of saturation without dopant>	Amalia Yunita HALIM Anders Nymark CHRISTENSEN Sidsel Marie NIELSEN Erling Halfdan STENBY	TECHNICAL UNIVERSITY OF DENMARK	17:50

08:00	<Registration>			08:35
08:35	<Opening and welcome remarks: CNH, IEA TCP>			08:50
08:50	S	<Enhanced Oil Recovery Strategy in PEP>	<u>Miguel LOZADA</u>	PEMEX E&P 09:15
09:15	S	<Five Years of Ecopetrol's EOR Program: Lessons and Findings>	<u>Rafael GUZMAN</u> Carlos CHAPARRO Rodrigo DALLE Carmen HINDS Jaime JIMENEZ Cesar PATIÑO Lexy QUINTERO Juan LEON Jose ZAPATA	ECOPETROL 09:40
09:40	S	<Enhanced Oil Recovery (EOR) Context in Venezuela>	<u>Celia BEJARANO</u> Fernancelys RODRIGUEZ	PDVSA 10:05
10:05	S	<Technologies and Experiences in Chemical EOR >	<u>David ROUSSEAU</u>	IFP ENERGIES NOUVELLES 10:30
10:30	<Break>			10:50
10:50	S	<EOR on the Norwegian Continental Shelf - A screening of technical potential>	<u>Mariann DALLAND</u>	NORWEGIAN PETROLEUM DIRECTORATE 11:15
11:15	S	<CO2 EOR Technology R&D Portfolio for Heterogenous Reservoirs>	<u>Tetsuro TOCHIKAWA</u>	INPEX 11:40
11:40	S	<CO2 Injection Considering Molecular Diffusion and Stress-Dependent Deformation in Tight Oil Reservoir>	<u>Kun S. LEE</u> Tae KIM Jinhyung CHO	HANYANG UNIVERSITY 12:05
12:05	S	<CO2 Injection in Unconventional Reservoirs: Chicontepec Turbidites Case Study>	<u>Uriel SALAZAR</u> ¹ David SCHECHTER ²	1: PEMEX E&P 2: TEXAS A&M UNIVERSITY 12:30
12:30	<Lunch>			14:00
14:00	S	<CO2-Enriched Smart Water injection for oil Recovery from Water-Invaded Zones >	A. FARZANEH ¹ M. SOHRABI ¹ A. SISSON ¹ H. GACHUZ ²	1: HERIOT-WATT UNIVERSITY 2: PEMEX 14:25
14:25	S	<Super Critical CO2 and Steam co-injection Process for Deep Extra-Heavy Oil Reservoir>	<u>Guo ERPENG</u>	RESEARCH INSTITUTE OF PETROLEUM EXPLORATION AND DEVELOPMENT, CNPC 14:50
14:50	S	<CO2-EOR Storage Projects in Mexico: The Key Element for CCUS Implementation>	<u>Jazmín MOTA</u> ¹ Herón GACHUZ ² Fernando RODRÍGUEZ ³	1: SENER 2: PEMEX 3: CONSULTANT 15:15
15:15	S	<Measurement and Monitoring of CO2 Storage Associated with EOR in a Depleted Reef Complex>	<u>Neeraj GUPTA</u> ¹ Mark KELLEY ¹ Sanjay MAWALKAR ¹ Autumn HAAGSMA ¹ Lydia CUMMING ¹ Caitlin HOLLEY ¹ Robert MANNES ²	1: BATELLE 2: CORE ENERGY, LLC 15:40
15:40	S	<Towards successful CO2 flooding for tight oil reservoirs: assessing the critical interplay of lithological framework, mineralogy and geochemical fluid-rock interactions>	<u>Peng LUO</u> ¹ Sheng LI Petro NAKUTNYY ¹	1: SASKATCHEWAN RESEARCH COUNCIL 16:05
16:05	S	<The U.S. Gas Flooding experience: CO2 Injection Strategies and Impact on Ultimate Recovery>	<u>Vanessa NUÑEZ</u> Seyyed HOSSEINI	THE UNIVERSITY OF TEXAS AT AUSTIN 16:30
16:30	<Closing>			17:00