

Technical Program for the Workshop & Symposium

38th IEA-EOR Workshop and Symposium 2017		
Riviera Maya, México. 26th - 30th September, 2017		
Schedule	Tuesday 26th , Opening	
17:00	19:00	Executive Committee meeting
19:00	19:35	Opening and welcome remarks: IEA TCP, SENER, CNH
19:35	19:40	Chairman IEA EOR TCP speech concerning Colombia joining
19:40	19:50	Signing of IEA EOR TCP Amendment by Colombian representative
19:50	20:00	Colombian representative speech on Colombia joining IEA EOR TCP
20:00	20:30	Icebreaker
20:30	22:00	Dinner

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Schedule		Wednesday 27 th , Workshop	
08:00	08:35	Registration	
08:35	09:00	<p style="text-align: center;">Experiences with Foam-Surfactant Chemical EOR Application in Naturally Fractured Reservoirs of Mexico: a Way Forward for Future <u>Maghsood ABBASZADEH</u>¹, Fernando RODRIGUEZ¹, Antonio VILLAVICENCIO and George HIRASAKI² 1: Innovative Petrotech Solutions 2: Rice University</p>	B: Surfactants and polymers
09:00	09:25	<p style="text-align: center;">Application of Polymers at High Temperature: Experimental Evaluation and Pilot Design <u>Jaime JIMENEZ</u>, Alvaro VILLAR and Jose ZAPATA Ecopetrol</p>	
09:25	09:50	<p style="text-align: center;">A look at a Polymer Flood Pilot Test in Petrocedeño <u>Alberto BRITO</u>, Edgar VASQUEZ and Liliana SUE PDVSA</p>	
09:50	10:15	<p style="text-align: center;">Chromatography Effects in Alkali Surfactant Polymer Flooding Markus LUEFTENEGGER and Torsten CLEMENS OMV</p>	
10:15	10:40	<p style="text-align: center;">Mechanism Study on Chemical Enhanced Oil Recovery with Low Surfactant Concentration <u>Jing TIAN</u>, Youyi ZHU and Hong YUAN Research Institute of Petroleum Exploration & Development, CNPC</p>	
10:40	11:00	Break	
11:00	11:25	<p style="text-align: center;">Advanced selection guidelines for synthetic polymers for chemical recovery processes based on their shear and hardness tolerances – New insight Guillaume DUPUIS and Nicolas GAILLARD SNF FLOERGER</p>	
11:25	11:50	<p style="text-align: center;">Studies on Movable Gel and ASP Hybrid Flooding Further EOR for Daqing Reservoir after Polymer Flooding <u>Jian FAN</u> and Youyi ZHU Research Institute of Petroleum Exploration and Development, CNPC</p>	
11:50	12:15	<p style="text-align: center;">Colloidal Dispersion Gels (CDG) to Improve Volumetric Sweep Efficiency in Waterflooding Processes <u>Gustavo MAYA</u>, Juan LEON and Rubén CASTRO ECOPETROL</p>	
12:15	12:40	<p style="text-align: center;">Studies on a Hybrid of Foam and ASP Flooding EOR for a Complex Fault Block Sandstone Reservoir <u>Youyi ZHU</u>, Yousong Luo and Jian Fan Research Institute of Petroleum Exploration and Development, CNPC</p>	
12:40	14:10	Lunch	
14:10	14:35	<p style="text-align: center;">Near Wellbore and Reservoir Effects in In-Situ Combustion Mario RODRIGUEZ¹, Guenther GLATZ², Torsten CLEMENS¹ and Anthony KOVSCEK² 1: OMV 2: Stanford University</p>	C: Thermal Recovery
14:35	15:00	<p style="text-align: center;">An Optimization Algorithm For Evaluation of Crude Oil Combustion Kinetic Parameters <u>Kuy KOH</u>¹, Luiz BITTENCOURT², Margot GERRITSEN² and Anthony KOVSCEK² 1: Stanford University and PEMEX E&P 2: Stanford University</p>	
15:00	15:25	<p style="text-align: center;">Field Case of SAGD Application in a Heavy Oil Reservoir: Senlac, Canada <u>Eric DELAMAIDE</u> IFP Technologies Inc</p>	
15:25	15:50	<p style="text-align: center;">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 <u>Hugo Chavez F</u> <u>Jesus RODRIGUEZ</u>, Francisco ARMAS, Salvador SALAZAR and Fidel ALVAREZ PDVSA</p>	
15:50	16:10	Break	
16:10	16:35	<p style="text-align: center;">In-Situ Upgrading: A Thermo-Catalytic Process of EOR and Oil Upgrading (Laboratory Case of a Naturally Fractured Reservoir of Heavy Oil: Tekel) Silvia CHÁVEZ¹ and Pedro PEREIRA² 1: PEMEX 2: University of Calgary</p>	
16:35	17:00	<p style="text-align: center;">Improved utilization of APG through the miscible displacement process in reservoirs with gas cap <u>Vitaly KUNTSEVICH</u>, Nikolay GLAVNOV and Maiia VERSHINANA GAZPROMNEFT</p>	
17:00	17:25	<p style="text-align: center;">Carbon dioxide saturated water injection for EOR in carbonate rocks <u>Mai SHIMOKAWARA</u>^{1,2}, Elakneswaran YOGARAJAH¹, Toyoharu NAWA¹ and Satoru TAKAHASHI² 1: Hokkaido University 2: JOGMEC</p>	D: Gas flooding techniques
17:25	17:50	<p style="text-align: center;">Gas realization efficiency improvement from the group of field by miscible recycling gas injection <u>Nicolay GLAVNOV</u>, Vladimir BABIN, Vitaly KUNTSEVICH and Artem PENIGIN GAZPROMNEFT</p>	
20:30	22:30	Dinner	

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Schedule		Thursday 28 th , Workshop	
08:00	08:35	Registration	
08:35	09:00	<p align="center">A two phase simulation of gel injection with functionalized silica nanoparticles <u>Bahador NAJAFIAZAR</u>¹, Dag Wessel-Berg, Per BERGMO, Torleif HOLT² and Ole Torsæter¹ 1: NTNU 2: SINTEF Petroleum Research</p>	F: Emerging Technologies
09:00	09:25	<p align="center">Rapid and Cost-Efficient Investigations of EOR Processes Using Microfluidics Technologies Leonhard GANZER¹, Jonas WEGNER² and Diethard KRATZER³ 1: TU Clausthal 2: HOT Microfluidics GmbH 3: HOT Engineering GmbH</p>	
09:25	09:50	<p align="center">Organic composition of calcite surfaces of North Sea Chalk samples and the effect on wettability and rock-fluid chemistry <u>Karen Feilberg</u>, Dmytro MIHRIN and Casper HOECK, Technical University of Denmark</p>	
09:50	10:15	<p align="center">Modeling additional oil recovery by low salinity designed composition water flooding in lab cores <u>Manuel CORONADO</u>, Martín DIAZ, Enrique SERRANO, Ed WILSON and José MITRE Instituto Mexicano del Petróleo</p>	
10:15	10:40	<p align="center">Optimal salinity, a key parameter during surfactant formulation Benoit CRETON and Claire MARLIERE IFP Energies Nouvelles</p>	
10:40	11:00	Break	
11:00	11:25	<p align="center">Recent updates on Smart Water injection strategies for optimized EOR in sandstone reservoirs Iván PIÑEREZ, Hakar ABDULLAH, Tord BLEIVIK, Tina PUNTERVOLD, Skule STRAND and Tor AUSTAD University of Stavanger</p>	
11:25	11:50	<p align="center">Prediction, Control and Validation of Rock Dissolution and its Impact on Smart Water Injection Performance in Carbonate Heavy Oil Reservoirs Heron GACHUZ¹ and Mehran SOHRABI² 1: PEMEX E&P 2: Heriot Watt University</p>	
11:50	12:15	<p align="center">Effect of Cations on Adsorption of Oil Molecule onto Calcite Surface: Toward Improved Description of Low-Salinity EOR <u>Yunfeng LIANG</u>¹, Yugo HYOTANI², Kazuya KOBAYASHI², Sumihiko MURATA², Yoshihiro Masuda¹ and Satoru TAKAHASHI³ 1: The University of Tokyo 2: Kyoto University 3: JOGMEC</p>	
12:15	12:40	<p align="center">Combined Controlled Salinity Bio-surfactant Enhanced Oil Recovery in Carbonate Rocks <u>Tinuola UDOH</u>^{1,2}, Lateef AKANJI¹ and Jan VINOGRADOV¹ 1: University of Aberdeen 2: Akwa Ibom State University</p>	
12:40	14:10	Lunch	
14:10	14:35	<p align="center">Polymer Selection for High Salinity/High Temperature Carbonate Reservoirs <u>Robert FORTENBERRY</u> Ultimate EOR Services</p>	
14:35	15:00	<p align="center">Surfactant Flooding of Heavy Oil <u>Petro NAKUTNYY</u>, Santhosh VEERABHADRAPPA and Gay RENOUF Saskatchewan Research Council</p>	
15:00	15:25	<p align="center">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} and Lateef AKANJI¹ 1: University of Aberdeen 2: Sonangol EP 3: Academia Sonangol 4: ISPTEC - DET</p>	
15:25	15:50	<p align="center">Enhancing oil recovery from dolomitic reservoirs– investigation of temperature limitations Tina PUNTERVOLD, Skule STRAND, Iván PIÑEREZ, Paul HOPKINS and Tor AUSTAD University of Stavanger</p>	
15:50	16:10	Break	
16:10	16:35	<p align="center">Lab Scale Uncertainty Quantification Associated With Low Salinity Water Flooding Markus Zechner and Anthony Kovscek Stanford University</p>	
16:35	17:00	<p align="center">Double displacement process project implementation planning and field test at Akal reservoir, Mexico Guadalupe LUNA, Marcos TORRES, Nemesio HERNÁNDEZ and Pedro SÁNCHEZ PEMEX</p>	A: Studies of fluids and interfaces in porous media
17:00	17:25	<p align="center">CT-scan monitoring of combined chemical EOR processes in fractured carbonate cores <u>David ROUSSEAU</u>¹, Elisabeth ROSENBERG¹, Michel ROBIN¹, Bernard BOURBIAUX¹, Max CHABERT², Eloïse CHEVALIER² and Serge GAUTIER¹ 1: IFP Energies Nouvelles 2: Solvay</p>	
17:25	17:50	<p align="center">CT scanings of core floods: Quantitative analysis of saturation without dopant Amalia Yunita Halim, Anders Nymark Christensen, Sidsel Marie Nielsen and Erling Halfdan Stenby Technical University of Denmark</p>	

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Friday 29th, Symposium

08:00	08:35	Registration	
08:35	08:50	Opening and welcome remarks: CNH, IEA TCP	
08:50	09:15	Enhanced Oil Recovery Strategy in PEP Miguel LOZADA PEMEX E&P	S: EOR in Fractured Reservoirs
09:15	09:40	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 and Jose ZAPATA ECOPETROL	
09:40	10:05	Enhanced Oil Recovery (EOR) Context in Venezuela <u>Celia BEJARANO</u> and Fernancelys RODRIGUEZ PDVSA	
10:05	10:30	Technologies and Experiences in Chemical EOR <u>David ROUSSEAU</u> IFP Energies Nouvelles	
10:30	10:50	Break	
10:50	11:15	EOR on the Norwegian Continental Shelf – A screening of technical potential <u>Mariann DALLAND</u> Norwegian Petroleum Directorate	
11:15	11:40	CO ₂ EOR Technology R&D Portfolio for Heterogenous Reservoirs <u>Tetsuro TOCHIKAWA</u> INPEX	
11:40	12:05	CO ₂ Injection Considering Molecular Diffusion and Stress-Dependent Deformation in Tight Oil Reservoir <u>Kun S. LEE</u> , Tae KIM and Jinhyung CHO Hanyang University	
12:05	12:30	CO ₂ Injection in Unconventional Reservoirs: Chicontepec Turbidites Case Study <u>Uriel SALAZAR</u> ¹ and David SCHECHTER ² 1: PEMEX E&P 2: Texas A&M University	
12:30	14:00	Lunch	
14:00	14:25	CO ₂ -Enriched Smart Water injection for oil Recovery from Water-Invaded Zones A. FARZANEH, H. GACHUZ, M. SOHRABI and A. SISSON Heriot-Watt University	
14:25	14:50	Super Critical CO ₂ 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	15:15	CO ₂ -EOR Storage Projects in Mexico: The Key Element for CCUS Implementation <u>Jazmín MOTA</u> ¹ , Herón GACHUZ ² and Fernando RODRÍGUEZ ³ 1: SENER 2: PEMEX 3: CONSULTANT	
15:15	15:40	Measurement and Monitoring of CO ₂ 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 and Robert MANNES ² 1: Batelle 2: Core Energy, LLC	
15:40	16:05	Towards successful CO ₂ 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 and Petro NAKUTNYY ¹ 1: Saskatchewan Research Council	
16:05	16:30	The U.S. Gas Flooding experience: CO ₂ Injection Strategies and Impact on Ultimate Recovery <u>Vanessa NUÑEZ</u> and Seyyed HOSSEINI The University of Texas at Austin	
16:30	17:00	Closing	