

**14<sup>th</sup> International Congress on Oil, Gas and Petrochemical**  
**19-20 May 2010, Olympic Hotel - Tehran**

**Articles to be presented at Upstream Industry**

<b>Room- 1 – Technical Program (Upstream) - Wednesday 19 May</b>		
<b>Oral Session – 1</b>		<b>Room-1 (First Day)</b>
<b>Chair: Dr. Bordenave      Co-Chairs : Dr. Asilian, Dr. Kamali, Dr. Ghalavand, Dr. Sherkati</b>		
<b>Title</b>	<b>Speaker</b>	<b>Time</b>
<b>The Analysis of Petroleum Systems as a Tool for Present and Future Exploration Efforts</b>	<b>Dr. Bordenave (Keynote Speaker)</b>	<b>11:00– 11 : 30</b>
Estimating total organic carbon content and source rock evaluation,applying LogR and leural network methods: Ahwaz and Marun Oil field,SW of Iran	A. Telmadarriei,	<b>11:30– 11 : 50</b>
Geochemical study of Asmari and Khami Reservoirs Gases and its correlation with source Rocks in Panzanan field-	Dr. Ashkan	<b>11:50– 12 : 10</b>
Diagenetic controls on reservoir quality in the Asmari carbonate reservoir in Gachsaran Field, SW Iran	Pouran Nazarian Samani	<b>12:10– 30:12</b>
<b>Session Coordinator</b>	<b>Masoud Nemati</b>	
<b>Lunch</b>		
		<b>12:30– 14:00</b>
<b>Oral Session – 2</b>		<b>Room-1 (First Day)</b>
<b>Chair: Prof. Maciej J. Kotarba      Co-Chairs: Dr. Amiri Bakhtiar, Dr. Rahimpour, Dr. Memariani, Eng. Honarmand</b>		
<b>Title</b>	<b>Speaker</b>	<b>Time</b>
<b>Identification of Thermogenic and Microbial Gases in Polish Part of the Carpathian Petroleum Province Based on Isotopic Data</b>	<b>Prof. Maciej J. Kotarba (Keynote Speaker)</b>	<b>14:00– 14:30</b>
Unconventional Hydrocarbon Reserves	Dr. M.R Kamali	<b>14:30– 14:50</b>
Sequence stratigraphy and Basin evolution of Miocene deposits in Northwest of Central Iran	Mahmood Jalali	<b>14:50 – 15:10</b>
Changes in reservoir quality determined from the diagenetic evolution of Cretaceous carbonates: case study from Sarvak and Ilam Formations in the High Zagros basin, SW Iran	Z. Zamani	<b>15:10– 15:30</b>
<b>Session Coordinator</b>	<b>Nasrolah Eftekhari</b>	
<b>Tea Break</b>		
		<b>15:30-16:00</b>
<b>Oral Session – 3</b>		<b>Room-1 (First Day)</b>
<b>Co-Chairs: Dr. Abdolhifar, Dr. Javaherian, Eng. Feridon Salehi, Eng. Maddahi</b>		<b>Chair: Prof. Gerritsma</b>
<b>Title</b>	<b>Speaker</b>	<b>Time</b>
<b>Advances in Seismic Data Processing</b>	<b>Prof. Gerritsma (Keynote Speaker)</b>	<b>16:00- 16:30</b>
Detection of thin layers with CWT method in one of the southern oil fields of Iran	Narjess Zohrabi	<b>16:30- 16:50</b>
P-wave velocity prediction via seismic data using seismic attributes	Mostafa Headari	<b>16:50- 17:10</b>
Constraining 3D Facies Model to Trend Maps to Improve Reservoir Porosity Modeling	S.Zabihi	<b>17:10- 17:30</b>

Session Coordinator

Nasrolah Eftekhari

**Room- 1–Thursday 20 May–Technical Program (Upstream)**

**Oral Session – 1                      Room-1 (Second Day)**

**Chair: Prof. Heinemann    Co-Chairs: Dr. Ghaemi, Dr. Harrer, Dr. N. Alizadeh, Dr. M. Keramati**

Title	Speaker	Time
<b>Pars Reservoir Simulator - Automatic History Matching Technology</b>	<b>Prof. Heinemann (Keynote Speaker)</b>	<b>09:00 – 09:30</b>
Simulation model Validation of an Exploration Gas Field Using Drill Stem Test Data	Seyed Sadegh Taheri Rudsari	<b>09:30 – 09:50</b>
A Fast Method for Productivity Index Calculation of Vertical Wells in a Gas Condensate Reservoir	Alireza Bastami	<b>09:50 – 10:10</b>
Water Flooding Optimization Using Streamline Simulation	Behnam Salek Esfahani	<b>10:10 – 10:30</b>
<b>Session Coordinator</b>	<b>Amir Jahanbakhsh</b>	
<b>Tea Break</b>		<b>10:30–11:00</b>

**Oral Session – 2                      Room-1 (Second Day)**

**Chair: Dr. Vatani                                      Co-Chairs: Dr. Hejri, Eng. S.A. Ziaei, Eng. M. Hosseinifar, Eng. S.M. Hashemi**

Title	Speaker	Time
<b>Smart Oil and Gas Digital Fields</b>	<b>Ahmad Tavallaei(Keknote Speaker)</b>	<b>11:00 – 11 : 30</b>
Application of Smart Technology for Production Optimisation in Oil Fields	T.Behrouz	<b>11:30 – 11 : 50</b>
Economic Evaluation of Smart Well Technology-A case Study	M.Nadri	<b>11:50 – 12 : 10</b>
Risk Assessment in Reservoir Management under Uncertainty	Seyed Mahdia Motahhari	<b>12:10 – 12:30</b>
<b>Session Coordinator</b>	<b>Mansour Soroush</b>	
<b>Lunch</b>		<b>12:30 – 14:00</b>

**Oral Session – 3                      Room-1 (Second Day)**

**Chair: Eng. Bagherpour                                      Co-Chairs: Dr. Sajjadian, Eng. M.R. Esfahani, Eng. Daneshfar, Eng. M. Mohammadnia**

Title	Speaker	Time
<b>Uncertainty Analysis Associates with Reservoir Management: A Case Study from an Iranian Carbonate Reservoir</b>	<b>Dr. M. Keramati (Keknote Speaker)</b>	<b>14:00 – 14:30</b>
3D Integrated static modeling using geostatistical methods in Asmari reservoir. Marun oil filed, Iran	H. Sheikhzadeh	<b>14:30 – 14:50</b>
A Comparison of Geolog Software and Neural Network for Predicting reservoirs properties in X oil field located in south-west of Iran	M. Tadayoni	<b>15:10 – 14:50</b>
Application Geostatistical 3D modeling in determination of apt regions oil fields (case study; Azadegan oil field)	Faramarz Shabani	<b>15:10 – 15:30</b>
<b>Session Coordinator</b>	<b>Ali Mohammad Bagheri</b>	

**Technical Program (Upstream)-Wednesday 19 May-Room-2**

**Oral Session – 1 Room-2 (First Day)**

**Chair: Dr. Emadi Co-Chairs: Dr. Tabatabaei, Eng. Alaadin, Eng. Gofrani, Eng. Bashiri**

Title	Speaker	Time
<b>Diffusion Process in Reservoir Fluids in Gas Injection Projects</b>	<b>Prof. M. R. Riazi (Keynote Speaker)</b>	<b>11:00–11:30</b>
Determination of Minimum Miscibility Pressure in Gas Injection Process by Mixing Rules	M.R. Akbari	11:30–11:50
An Efficient and Robust Saturation Pressure Calculation Algorithm for Petroleum Reservoir Fluids Using Neural Network	Mehdi Assareh	11:50–12:10
Application of Simulated Annealing Technique to Non-Linear Optimization of PC-SAFT for Petroleum Reservoir Fluids	Dr. Pishvaei	12:10–12:30
<b>Session Coordinator</b>	<b>Alireza Nasiri</b>	
<b>Lunch</b>		
<b>12:30–14:00</b>		

**Oral Session – 2 Room-2 (First Day)**

**Chair: Dr. Shokrollahzadeh Co-Chairs: Dr. Kharrat, Eng. Soroush Eng. Fakour, Dr. Shahrabadi**

Title	Speaker	Time
<b>Asphaltene Deposition and Formation Damage During CO2 /Hydrocarbon Gas injection projects for Enhanced Oil Recovery (EOR)</b>	<b>Dr Reza Oskui (Keynote Speaker)</b>	<b>14:00–14:30</b>
Investigating The Effect of SDS Surfactant and a biosurfactant-producing bacterium MR01, on IFT in Iranian Carbonate Reservoirs	Dr. Reza Roostaazad	14:30–14:50
A Case Study to Evaluate the Role of Basiluses in Producing Biosurfactant and the Feasibility of Microbiologic Enhanced Oil Recovery of Asmari Reservoir in Bibi-Hakimeh Oilfield	Faezeh Mirzaee Tabesh	14:50–15:10
A Novel Approach For Solving Diffusivity Equation In Cases; Wellbore Storage and Phase Redistribution Phenomena	Kourosh Khadivi	15:30–15:10
<b>Session Coordinator</b>	<b>Hessam Aloki Bakhtiari</b>	
<b>Tea Break</b>		
<b>16:00–15:30</b>		

**Oral Session – 3 Room-2 (First Day)**

**Chair: Eng. Zobeidi Co-Chairs: Dr. Nowrozi, Dr. Montazari, Dr. Kazemzadeh, Eng. Mohsenpourian**

Title	Speaker	Time
Validation of Methods to Calculate Gas-Oil Relative Permeability Using Capillary Pressure Data from South Pars Reservoir	Saeed Khajoei	16:00-16:25
Wettability Alteration of Mica and Sandstone by a Biosurfactant-producing Bacterium Bacillus thermodenitrificans SUCPM-23, Isolated from an Oil Reservoir	Saeed Zargari	16:25-16:50
Study of Two-Phase Fluid Flow in Water-Wet Reservoir Rocks by Using X-Ray In-situ Saturation Monitoring	Hamid Sharifi Galiuk	16:50-17:10
EOR screening using artificial intelligence Bayesian network	Davood Barzegari	17:10-17:30
<b>Session Coordinator</b>	<b>Ashkan Haghshenas</b>	

**Technical Program (Upstream)–Thursday 20 May–Room- 2**

**Oral Session – 1                      Room-2 (Second Day )**

**Chair: Dr. Bashari                      Co-Chairs: Dr. B. Movahed, Dr. Bidhendi, Eng. S.A.R. Mortazavi, Eng. H. Salehi**

Title	Speaker	Time
A novel geomechanical analytic method for preventing casing failure occurrence	Hadi Ashtiani Abdi	09:00–09:30
Experimental investigation of Henna powder as a novel additive to the drilling fluid	Masood Mahmoodi	09:30–09:50
Novel Approach to Address Carbonate Evaluation Problems of Ahwaz Bangestan Reservoir Using Cyclog Software	K. Ghanavati	09:50–10:10
Geochemical Evaluation of oils and possible source rocks in oil fields located in the west margin of Qatar- Kazerun fault	Roza Nouri	10:10–10:30
<b>Session Coordinator</b>	<b>Mohammad Reza Monavarian</b>	
<b>Tea Break</b>		10:30–11:00

**Oral Session – 2                      Room-2 (Second Day )**

**Chair: Prof. Ghalambor                      Co-Chairs: Eng. M. Soleimani, Eng. Shorab, Eng. K. Fooladi, Eng. M. Javadian**

Title	Speaker	Time
<b>The Necessity of Adopting a Culture Of Formation Damage Awareness</b>	<b>Prof. Ali Ghalambor (Keynote Speaker)</b>	11:00–11:30
The application of Carbon Nano Tubes in Designing Heavy Weight Cement Slurries with High Elastic (Flexural) Strength	Yaser Pourmazaheri	11:30–11:50
Effect of key parameters in rapid expansion supercritical solution process on the structure of drilling mud viscosifiers	Iman Asghari	11:50–12:10
A Literature Survey of RSD's Laboratory Applications in Drilling Industry	Ali Hassani	12:10–12:30
<b>Session Coordinator</b>	<b>Amir Homayon Rafat</b>	
<b>Lunch</b>		12:30–14:00

**Oral Session – 3                      Room-2 (Second Day )**

**Chair: Eng. Boovard                      Co-Chairs: Eng. J. Dashbozorgi, Eng. Tahmasebi, Eng. M.G. Khairandish, Eng. Mahmodian**

Title	Speaker	Time
Acid Fracturing in Iranian Oil Fields	Farshad Roshanai Heydarabadi	14:00–14:30
Nanotechnology solutions for petroleum upstream technological problems	Hassan Bargozin	14:30–14:50
Precise Prediction of BHCP by Neural Network Modeling	Rahman Ashena	15:10–14:50
The effect of drilling mud flow on the lateral and axial vibrations of drill string	Mohammad Faraji Mahyari	15:10–15:30
<b>Session Coordinator</b>	<b>Mohammad Oyar Hossein</b>	

**Posters**

<b>No.</b>	<b>Title</b>	<b>Speakers</b>	<b>Remarks</b>
1	Using Vp/Vs Ratio to Predict Fluid Type In Oil Reservoirs A Case Study from an Oil Field, Southwest of Iran	M. Bahremandi , M. Keramati <sup>1</sup> and M. Mirshahani <sup>1</sup>	Poster/Reserve
2	Depositional environment, microfacies and diagenesis of Surmeh Formation in Kohrang Area, High Zagros zone, SW Iran.	Mirshahani, Adabi, Kamali, Memariani	Poster/Reserve
3	Investigation on filling history of oil-bearing layers in the South Pars Field, Persian Gulf.	Sonei, Rahimpour-Bonab, Memariani	Poster/Reserve
4	Evaluation of Pabdeh and Gurpi Formations in Kabir Kuh for Hydrocarbon Potentiality: Using Source Hound Analyzer	N. Eftekhari , M. Tavallae , M. Kassae , Ga. Sobhi.	Poster
5	Application of fluid inclusion to recognition of origin of coarse-crystalline calcite and dolomite cements in Permo-Triassic Kangan and .Dalan Formations in South Pars Field, Iran	Mirshahani. M, Moeinpour, M	Poster
6	Production Performance Analysis and Field Development Plan in an oil field in the west of Australia	Yadegari, Keshavarz Faraj khah, Tadayoni	Poster
7	Paleoenvironment, Microfacies and Original Mineralogy in Ilam Formation Based on Geochemistry and Isotopical Studies In Type Section, Payun Anticline and DA # a	Farnaz Shushtarian.	Poster
8	The Role of Geomechanical Model in Finding Optimum Roller Cone Bit for Drilling of Asmari Formation	S. Razi Perchikolaee	Poster/Reserve
9	Is phenomenon of collapse in casing and tubing predictable, or not? What should we do to reduce cost of this phenomenon? With case study of Iran.	Mohammadhadi Parhamvand, Ehsan Momeni	Poster/Reserve
10	Simulation and Optimization of Multiple Bit Runs to Minimize Cost per Foot	Mohsen Ebrahimi	Poster/Reserve
11	Utilizing Mechanical Earth Modeling Decreases Drilling Operation Cost in Iranian Oilfields	Mohammad Nabaei, Alireza Moazzeni, Rahman Ashena , Jamshid Moghadasi	Poster/Reserve
12	The effect of well stimulation using different acidization methods on the productivity index of productive wells on one of the Bangestan reservoirs	Mahdi Shirali, Hossein Ghobadi, Dr. kamaleh Ghasmolaskari Dr. Naser Alizadeh	Poster
13	What do we do in a gas blow out with a case study in Iran and the other countries?	Ehsan Momeni, Mohammadhadi, Parhamvand	Poster
14	Crisis management in kill well with drilling relief wells with case study in Iran and the other country	Ehsan Momeni, Mohammadhadi Parhamvand, Seyed Abdolnabi Panahi	Poster
15	Investigation and Feasibility at Fractured Formation: Case Study Field-A in South of Iran	Abdollah Mohammadi, Alireza Jadidi, Ahmad Ghaed Amini, Abdolhossein Mohammadi	Poster
16	Determination of water saturation parameters in a complex carbonate reservoir	Pooya Mohammad Alizadeh	Poster/Reserve
17	Prediction of Permeability Decline duo to the Formation of Barium Sulfate Scale Using Artificial Neural Network	Reza Zabihi <sup>1</sup> , Mahin Schaffie, Hamid Reza Khatami, Mohammad Ranjbar	Poster/Reserve
18	Laboratory Investigation of thermally assisted GOGD process for Depleted Fractured Carbonate Reservoirs	S. Asadzadeh, A. Mohsenzadeh, M. Escrochi, Sh. Ayatollahi	Poster/Reserve
19	Investigation of scale formation during injection of sea water into oil fields	Ali Haghtalab, Mohamad Javad Kamali	Poster/Reserve

20	Investigation of Various factors on Relative Permeability Curves in a Low-Permeability Carbonate Reservoir of Iran	Mohammad Reza Adelzadeh, Reza Roostaazad, Mohammad Reza Kamali, Seyed Reza Shadizadeh , Ezatolah Kazemzadeh, Mohammad Reza Esfahani	Poster
21	Viscoelastic properties of sulfonated polyacrylamide/chromium triacetate Polymer Gels	Ahmad Dadvand Koochi1, Mohsen Vafaie Seftie, Abdolsamad Zarrin Ghalam, Asefe Mousavi Moghadam, Hassan Naderi	Poster
22	The Effect of Temperature, Pressure and Mixing Ratio of Injection Water with Formation Water on Strontium SulfateScale Formation in Siri Oilfield Using OLI ScaleChem Software	M. Amiri, J. Moghadasi, E. Motaei, M. Pordel	Poster
23	Developing and Interpretation of a novel Temperature Distribution Model in Wells with Multi Pay Zones	Mohsen Mostofinia*, Peyman Pourafshary, Mohammad Mohammadi Khanaposhtani	Poster/Reserve
24	Condensate controlling with optimum flow rate determination and new equation of pressure drop of gas condensate reservoirs	Hadi Ghorbani,Dr.Mohammad keramati, Dr.S.A.T.Nezhad,A_Tabatabaeinezhad,Gholamreza Bashiri	Poster/Reserve
25	Completion Optimization And It's Effects To Increase The Wellhead Pressure And Production Rate Of The Wells	Mohsen . Moradi	Poster/Reserve
26	an Iranian Fractured Reservoir Simulation Study of Water Alternating Gas Injection (WAG) in	Mohammad Javad Darvishnezhad, Babak Moradi, Dr. Ghassem Zargar,Dr. Mohammad Reza Adelzadeh, Dr.Gholam Hossein Montazeri	Poster/Reserve
27	Study of Various Injection Patterns in Water, Gas and WAG Injection Methods in an Iranian Fractured Reservoir	Mohammad Javad Darvishnezhad, Babak Moradi, Dr. Ghassem Zargar,Dr. Mohammad Reza Adelzadeh, Dr.Gholam Hossein Montazeri	Poster
28	Porosity and Permeability Prediction Using Artificial Neural Network based on Flow Zone Index in an Iranian Heterogeneous Carbonate Reservoir	M. Ahrimankosh, N. Kasiri, S. M. Mousavi Mirkalaei	Poster
29	Hybrid method of genetic algorithm and artificial neural network for PEF and CGR logs prediction in one of fracture reservoir in south Iran	Mohammad Omidian,Amir Sarafi , Mahin Shafiee	Poster