**WPC EXPERT WORKSHOP BUCHAREST 2019**

HC Increasing Recovery Efficiency in the Mature Fields.

Methods and Technology for Cooperation


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### Sunday, 20th October 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Guide(s)</th>
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</thead>
</table>
| 16:00 - 17:00 | “Ceausescu House” Visit  
Mr. Tudor Andrei-Constantin – WPC YP UB Guide  
Ms. Negoita Nicoleta – WPC YP ASE Guide |                                                   |
| 17:00 - 19:00 | WPC Delegates - Bucharest Tour  
Ms. Cailean Loredana – WPC YP UB Guide  
Mr. Tudor Andrei-Constantin – WPC YP UB Guide  
Ms. Negoita Nicoleta – WPC YP ASE Guide |                                                   |
| 19:00 - 21:00 | WPC representatives Working Dinner (by WPC RNC Invitation only)                           |                                                   |

### Monday, 21st October 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Guide(s)</th>
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</table>
| 10:00 - 13:00 | WPC Delegates - Technical Tour to IGR - National Museum of Geology  
“The Geological Institute of Romania: more than a century of scientific research”  
Mr. Marian Munteanu, Scientific Director IGR  
YP Potential Visit to Bioterra Bucharest University HQ, TBA  
Mr. Tudor Andrei-Constantin – WPC YP UB Guide  
Ms. Negoita Nicoleta – WPC YP ASE Guide |                                                   |
| 12:30 - 13:00 | WPC Operative Meeting - National Museum of Geology                                       |                                                   |
| 14:00 - 15:00 | Registration & Refreshment, Musat & Asociatii HQ.  
WPC YP Romanian Guides |                                                   |
| 15:00 - 16:00 | Opening Ceremony  
**Moderator:** Mr. Corneliu Condrea, President WPC RNC  
**Speakers:**  
Mr. Tor Fjaeran, President WPC, Norway  
Mr. Corneliu Condrea, President WPC RNC  
Mr. M. A. Emadi, WPC CPC IRI  
Mr. Iulian Popescu, Deputy Managing Partner Musat and Asociatii, Host Event  
HE. Emil Constantinescu, President of Romania 1996-2000  
Acad. Anastasiu Nicolae, Romanian Academy  
Mr. Mihail MINESCU, Vice - Rector International Affairs UPG  
Mr. Alexei Golovin, Vice President KMG International  
Ministry of Energy Representative  
Special Invited Guest |                                                   |
| 16:00 - 16:30 | Coffee Break, Speakers Meeting – Conference Room S                                         |                                                   |
| 16:30 - 17:30 | Top Level Plenary: Global Oil & Gas Business  
**Moderator:** Mr. Pandele Neculae, CPC WPC Romania  
“New Technologies – Advanced Recovery Methods” |                                                   |
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<tbody>
<tr>
<td>16:30 - 17:30</td>
<td><strong>Speaker:</strong> Mr. Leopold Bräuer, Senior VP New Technologies OMV, Austria&lt;br&gt;“Innovation and Creativity can lead to new big discoveries on even in mature field areas”</td>
</tr>
<tr>
<td>17:30 - 18:00</td>
<td><strong>Speaker:</strong> Ms. Mihaela Carmen Dediu, E&amp;A Manager at SNGN ROMGAZ SA&lt;br&gt;“Challenges by the unusual present petroleum crisis on the International Geoscience Higher Education”&lt;br&gt;<strong>Speaker:</strong> Mr. Mocanu Victor, Professor, Dr. Dean Geology and Geophysics Faculty, University of Bucharest&lt;br&gt;“Enhanced Reservoir Characterization using Modern Well Logging Methods”&lt;br&gt;<strong>Authors:</strong> Assoc. Prof. Dr. Bogdan Mihai NICULESCU&lt;br&gt;Prof. Dr. Aurelian NEGUȚ, Lecturer Dr. Gina ANDREI&lt;br&gt;University of Bucharest, Faculty of Geology and Geophysics, Department of Geophysics&lt;br&gt;<strong>Speaker:</strong> Mr. Bogdan Mihai NICULESCU Assoc. Prof. Dr. Faculty of Geology and Geophysics, University of Bucharest&lt;br&gt;“New Technology – Innovative Standalone Cased Hole Formation Evaluation for Mature Fields”&lt;br&gt;<strong>Authors:</strong> Ramona Titilincu, Petrophysicist – Data Services, Schlumberger Europe&lt;br&gt;Samira Ahmad, Petrophysics Domain Expert – Data Services, Schlumberger Europe&lt;br&gt;Chiara Cavalleri, Petrophysics Domain Champion – Wireline, Schlumberger Europe&lt;br&gt;<strong>Speaker:</strong> Ms. Ramona Titilincu, Petrophysicist – Data Services, Schlumberger Europe&lt;br&gt;Special Guest: Mr. Gheorghe Calcan - Oil and Gas History in Romania</td>
</tr>
<tr>
<td>19:00 - 21:00</td>
<td><strong>Welcome Reception, TBA Location, All Delegates</strong>&lt;br&gt;Salutation Message from Romania&lt;br&gt;Salutation message from WPC President&lt;br&gt;Salutation Message from International Delegations</td>
</tr>
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</table>
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**Tuesday, 22nd October 2019  Conference Room**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30 - 09:00</td>
<td>Registration, Speakers Meeting - Conference Room S</td>
</tr>
<tr>
<td>09:00 - 10:30</td>
<td>Plenary 1 Secondary and Tertiary Recovery</td>
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<tr>
<td></td>
<td><strong>Chair:</strong> Mr. Anatoly B. Zolotukhin  VP WPC, Russia</td>
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<td></td>
<td><strong>Co-Chair:</strong> Mr. Mihail Valentin Batistatu UPG Romania</td>
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<tr>
<td></td>
<td><strong>“How innovative technologies assist in efficient deployment of</strong></td>
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<td><strong>IOR methods”</strong></td>
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<td></td>
<td><strong>Speaker:</strong> Mr. Anatoly B. Zolotukhin, Professor, Dr. Gubkin University Moscow</td>
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<tr>
<td></td>
<td><strong>“Optimizing polymer injection field-roll out under uncertainty”</strong></td>
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<td>Martin Sieberer, Jörg Peisker, Torsten Clemens</td>
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<td></td>
<td><strong>Speaker:</strong> Mr. Martin Sieberer, PhD. Technical University of Vienna, OMV</td>
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<tr>
<td></td>
<td><strong>“The Romanian Main Sedimentary Basins Petroliferous Potential”</strong></td>
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<td><strong>Speaker:</strong> Mr. Mihail Valentin Batistatu, Assoc. Prof. UPG Ploiesti, RO</td>
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<td><strong>“The Deepening of the Final Recovery in Mature Gas Fields”</strong></td>
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<td><strong>Speaker:</strong> Mr. Neculai Pavlovschi, Assoc. Prof. Dr. ULB Sibiu, RO – Consultant</td>
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<tr>
<td>10:30 - 11:00</td>
<td>Coffee Break, Speakers Meeting – Conference Room S</td>
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<tr>
<td>10:30 - 16:00</td>
<td>Networking: Media, Musat &amp; Asociatii, Technical P&amp;D, Start Up - Room M</td>
</tr>
<tr>
<td>11:00 - 12:30</td>
<td>Plenary 2 Secondary and Tertiary Recovery</td>
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<tr>
<td></td>
<td><strong>Chair:</strong> Mr. Liu Yuzhang CPC WPC, China</td>
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<tr>
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<td><strong>Co-Chair:</strong> Mr. Filippo Chinellato, Italy</td>
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<tr>
<td></td>
<td><strong>“Using up-to-date methods and technologies in mature fields</strong></td>
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<tr>
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<td><strong>to maximize production and reduce costs”</strong></td>
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<td></td>
<td><strong>Speaker:</strong> Mr. Liu Yuzhang, Director of Senior Consultants Office, RIPED, CNPC</td>
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</tbody>
</table>
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11:00 - 12:30

“Associated storage with Enhanced Oil Recovery: An Overview of a large scale Carbon Capture, Utilization and Storage, Demonstration in Texas, USA”

Authors: Robert Balch¹, Brian Mcpherson²
¹New Mexico Institute of Mining and Technology, ²University of Utah

Speaker: Mr. Robert Balch, New Mexico Institute of Mining and Technology

“Low salinity water injection and the alteration in crude oil properties in contact with low salinity water”

Speaker: Mr. Ali Reza Roozbahani, MSc, Production engineer, Iran Off. Co.

“Reservoir Mapping and GeoSteering innovations to improve production and reservoir understanding”

Speaker: Mr. Filippo Chinellato – GeoSteering & LWD Domain Champion Schlumberger Europe

“Applications of Secondary and Tertiary recovery methods of oil and perspective in Romania”

Authors: Nicolae Trasca – Chirita, PhD. CLUB CO2 Romania, Senior Expert Consultant in Recovery Methods, PhD Stud. Nicoleta Mihaela Goidescu, Mihai Simionescu, MSc GeoEcoMar

Speaker: Mr. Nicolae Trasca – Chirita, PhD. Senior Expert Recovery Methods

12:30 - 14:00

Lunch Break, Speakers Meeting – Conference Room S

Poster Session: Conference Hall

Chair: Mr. Iulian ION, WPC YP Oil and Gas University Ploiesti
Co-Chair: Mr. Vlad – Cristian NECULAE – WPC YP UP of Bucharest

“Cooperation between INiG – PIB and PGNiG in the field of increasing oil recovery efficiency from polish mature reservoirs”

Authors: Klaudia Wilk¹, Mirosław Wojnicki², Piotr Kasza¹, Marcin Warnecki¹, Marek Czupski¹, Rafal Moska¹
Oil and Gas Institute - National Research Institute, Cracow POLAND

“The Innovation in Filter Technology Formation Link (TM) Ceramic Wire Wrapped Screen with Ceramic-Coating”

Author: Mr. Marin Schuster, MD University of Hannover, Germany
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<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 12:30 - 14:00 | “Downhole risk assessment, management and risk management tools for subsurface operations in brownfields.”
     | Author: Radu Mircescu MSc UPG, DHWS General Manager                      |
| 14:00 - 15:30 | Plenary 3 - Co2 Capture, Usage and Storage, Environment                 |
|           | Chair: Mr. Iulian Popescu, Deputy Managing Partner Musat and Asociatii, RO |
|           | Co - Chair: Mr. Constantin S. SAVA, GeoEcoMar, RO                        |
|           | “Legislative Frame for Oil and Gas Business”                             |
|           | ECO-BASE European project “Establishing CO2 enhanced Oil recovery Business Advantages in South Eastern Europe” TBA |
|           | Authors: Roman Berenblyum Research Director, Energy Department, NORCE Research Center, Dr. Constantin S. SAVA GeoEcoMar |
|           | Speaker: Mr. Roman Berenblyum, Research Director, Energy Department, NORCE Research Center, Norway |
|           | “Regulatory aspects of CO2 geological storage in Romania”, TBA            |
|           | Speaker: Mr. Razvan GHEORGHE, Expert NAMR                              |
|           | ”The Carbon Capture, Usage and Storage Technology Implementation in Southern part of Romania” |
|           | Authors: C-S. Sava, Alexandra-Constanta Dudu, C. Dinu, N. Trasca-Chirita, S. Anghel, Andreea-Lorena Burlacu, R Soare National Institute of Marine Geology and Geoecology, 2-CO2 Club Association |
|           | Speaker: Mr. Constantin S. SAVA, PhD. Senior Geoscientist, Projects Director GeoEcoMar |
|           | “Strategic Planning of Regions and Territories in Europe for Low- Carbon Energy and Industry through CCUS - STRATEGY CCUS” |
|           | Authors: Fernanda de Mesquita L. Veloso, Alexandra-Constanta Dudu et al French Geological Survey - BRGM, National Institute of Marine Geology and Geoecology - GeoEcoMar |
|           | Speaker: Ms. Alexandra-Constanta Dudu, Senior Researcher GeoEcoMar       |
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14:00 - 15:30
"Methods for stabilizing acid tar for acceptance into permanent storage"
Speaker: Ms. Mihaela Tita, MSc EUROTOTAL COMP Bucuresti

“Selection of water treatment technologies based on injectivity simulation under uncertainty”
Maria-Magdalena Chitotoroiu, Karl Jamek, Torsten Clemens
Speaker: Ms. Maria-Magdalena Chitotoroiu, MSc. OMV Austria

15:30 - 16:00
Coffee Break, Speakers Meeting – Conference Room S

16:00 - 17:30
Plenary 4 Methods and Technology for Cooperation
Chair: Mr. M. A. Emadi, CPC WPC Iran
Co-Chair: Mr. Daniel DUMITRESCU, Romania EU

„Acceleration Energy Start up including Oil & Gas Industry”
Authors: Dr. Daniel DUMITRESCU, Innovation & Risk Finance Expert EU
Dr. Pandele Neculae, Management Consultant JICA
Speaker: Mr. Daniel DUMITRESCU, Dr. Innovation & Risk Finance Expert EU

“Good business for all seasons – Lessons in improving brownfield efficiency”
Speaker: Mr. Gilbert Beuhler – Vice President, GL Ltd, Azerbaijan

“Application of Ultrasonic Waves to improve oil recovery”
Speaker: Mr. Mahdi Razavifar, Ph.D. Candidate Shiraz University, Iran

“Implementation of the integrated field management system on the example of Polish mature natural gas reservoirs”
Authors: Krzysztof Potera, Jacek Dudek, Bartłomiej Kawecki, Daniel PodsoBioński,
Grzegorz Paliborek, Krzysztof Pietrzyk, Piotr Wójcik, PGNiG
Speakers: Mr. Bartłomiej Kawecki, Mr. Jacek Dudek, Polish Oil and Gas Company (PGNiG)

“Regional Geophysics, Active Tectonics & Clusters of Hydrocarbon Accumulations in Romania”
Authors: Dumitru Ioane, Irina Stanciu University of Bucharest,
Faculty of Geology and Geophysics, GeoEcoMar
Speaker: Mr. Dumitru Ioane, Prof. Dr. Faculty of Geology and Geophysics, UB
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16:00 - 17:30

**Speaker:** Mr. Constantin Pene, Prof. Dr. Faculty of Geology and Geophysics, UB

**Relationships between hydrocarbon “shows” and oil and gas mature fields from Romania**

**Authors:** Prof.dr.Constantin Pene, University of Bucharest, Faculty of Geology and Geophysics, Bogdan Niculescu, Conf. Dr. UB
Gina Andrei, Lecturer Dr. UB, Alina Floroiu, Dr. UB
Simionescu Mihai, MSc.GeoEcoMar

17:30 - 18:00

Interactive Closing Panel

Mr. Tor Fjaeran, President WPC, Norway
Mr. Iulian Popescu, Deputy Managing Partner Musat and Asociatii, Romania
Mr. Anatoly B. Zolotukhin VP WPC, Russia
Mr. Liu Yuzhang CPC WPC, China
Mr. M. A. Emadi, CPC WPC Iran
Mr. Pandele Neculae, CPC WPC Romania

Wednesday, 23th October 2019

09:00 - 13:30

Technical Tour at National Petroleum Museum Prahova County, WPC Delegates

Mr. Iulian ION, WPC YP Oil and Gas University Ploiesti - Guide Support
Mr. Iulian TOMA, WPC YP University of Bucharest Guide - Guide Support

“History of Oil in Romania”
Dr. Magdalena BANU, National Oil Museum Ploiesti

“Oil and Gas History in Romania”, TBA
Prof. Gheorghe Calcan

WPC Delegates = All International Participants

LOCATION & CONTACT

Iulian Popescu,
Deputy Managing Partner
Adriana Firoiu
Communications & Marketing Specialist

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Registration with confirmation
If you wish to speak at or attend this important meeting, please contact the WPC Secretariat at WPCSecretariat@world-petroleum.org. Corneliu.condrea@gmail.com; Corneliu.condrea@energie.gov.ro; Pandele.neculae@gmail.com
Mo: 0040 723 234 295
Mo: 0040 752 081 360

TECHNICAL COMMITTEE

Honorary Chairperson of Advisory Technical Committee
Mr. Tor Fjaeran President, World Petroleum Council (WPC)

Chair: Mr. Leopold Bräuer, Senior VP New Technologies OMV, Austria
Co-Chair: Mr. Pandele Neculae, CPC WPC Romania

Members
Mr. Corneliu Condrea, President WPC RNC, Romania
Mr. Anatoly B. Zolotukhin VP WPC, Russia
Mr. Liu Yuzhang CPC WPC, China
Mr. M. A. Emadi, CPC WPC Iran
Mr. Iulian Nestor, Professor, Dr. Dean Oil and Gas Engineering Faculty, UPG
Mr. Mocanu Victor, Professor, Dr. Dean Geology and Geophysics Faculty, UB
Mr. Robert Balch, NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, USA
Mr. Iulian Popescu, Deputy Managing Partner Musat and Asociatii, Romania

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