

# Dokazano najbolja...



# INA

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# PETROLEUM ENGINEERING SUMMER SCHOOL

INTER-UNIVERSITY CENTRE  
DUBROVNIK, CROATIA



Interactive Seminar – Workshop 42

**WS 42**

JUNE, 13 – 17, 2016

Courses:

1. Natural Gas Market Development (June, 13-17th)
2. Reservoir Evaluation and Management (June, 13-17th)



## MONDAY, June 13<sup>th</sup>, 2016

9.00-9.30	<b>OPENING CEREMONY</b> (IUC, Conference Room, Ground Floor) <b>Welcome Addresses</b> <b>Lidia Hrnčević</b> , PESS Executive Director <b>Daria Karasalihović Sedlar</b> , PESS Executive Director <b>Zoran Nakić</b> , Dean of the Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia <b>Nada Bruer Ljubišić</b> , IUC Representative <b>Companies Representatives</b>
9.30-18.30	<b>Workshop: Natural Gas Market Development – Liberalisation &amp; Deregulation</b> (IUC, Conference Room, Ground Floor) <b>Chairmen/Moderators:</b> Mirella Subotić (Plinacro d.o.o.), Daria Karasalihović Sedlar (University of Zagreb, Croatia)
9.30-11.00	Session I <b>Peter Pozsgai</b> (ACER, Slovenia): <i>Third energy package - regulation framework (overview and activities)</i> <b>Markus Krug</b> (E-CONTROL, Austria): <i>Gas target model (requirements, review, update, differences among EU states); Security of supply at open gas market</i>
11.00-11.30	<b>Coffee Break</b> (IUC Atrium)
11.30-13.00	Session II <b>Marcel Kramer</b> (Energy Delta Institute, Netherlands): <i>Gas demand and supply – trends</i> <b>Balázs Tatár</b> (FGSZ Ltd., Hungary): <i>Implementation of EU regulation and network codes</i>
13.00-14.00	<b>Welcome Cocktail</b> (IUC Atrium)
14.00-15.30	Session III <b>Michael Schmöltzer</b> (Uniper Energy Storage Austria, Austria): <i>European storage market and current challenges</i> <b>Mirella Subotić</b> (Plinacro d.o.o., Croatia): <i>TSO current activities &amp; challenges</i> <b>Ivan Zelenika</b> (PSP d.o.o., Croatia): <i>Underground gas storage working characteristic optimization</i>
15.30-16.00	<b>Coffee Break</b> (IUC Atrium)
16.00-18.30	Session IV <b>Iljicsov András</b> (PPD Hungária Energiakereskedő Kft., Hungary): <i>Gas trading and pricing</i> <b>INA Plc. representative</b> (INA Plc., Croatia): <i>INA perspective</i> <b>Marin Bačelić</b> (HEP Gas Supply Ltd., Croatia): <i>Challenges and implementation measures of HEP Gas Supply</i> <b>Goran Frančić</b> (MET Croatia Energy Trade.o.o.): <i>Knowledge and experience transfer inside MET Group on gas markets under liberalization</i> <b>Crodux plin d.o.o., RWE Plin d.o.o.</b>
19.00	<b>Dinner</b> (Mimosa Restaurant)
15.00-18.30	<b>Workshop: Reservoir Evaluation and Management</b> (IUC, Conference Room, 1st Floor)

16.00-18.30 Session I – **Unconventional reservoirs**  
**DSc Branimir Cvetković** (Petro Brelle Energy, Norway): *Unconventional Rate-Time Prognosis Study*

## TUESDAY, June 14<sup>th</sup>, 2016

9.00-17.00	<b>Workshop: Natural Gas Market Development – LNG</b> (IUC, Conference Room, Ground Floor) <b>Chairmen/Moderators:</b> Nikola Vištica (HERA., Croatia) & Daria Karasalihović Sedlar (University of Zagreb, Croatia)
9.00-10.30	Session I – <b>LNG chain &amp; trends</b> <b>Marcel Kramer</b> (Energy Delta Institute, Netherlands): <i>LNG Demand and Supply – trends</i> <b>Andreja Ana Lopac</b> (INA Plc., Croatia): <i>Technical aspects of LNG chain &amp; FLNG</i>
10.30-11.00	<b>Coffee Break</b> (IUC Atrium)
11.00-12.30	Session II – <b>LNG regulation</b> <b>Rocio Prieto Gonzales</b> (Dirección de Energía, Spain): <i>Economical aspects of LNG Chain, LNG legislation in EU; LNG pricing and tariffs</i> <b>DSc Nikola Vištica</b> (HERA, Croatia): <i>LNG legislation in EU Croatia</i>
12.30-13.00	<b>Coffee Break</b> (IUC Atrium)
13.00-14.30	Session III <b>Croatia LNG Project</b> <b>Mladen Antunović</b> (LNG Croatia, Croatia): <i>LNG terminal Krk - development overview</i> <b>Florijana Đedović</b> (Plinacro d.o.o, Croatia) <b>Zdravko Mužek</b> (Ekonerg, Croatia)
14.30-15.00	<b>Coffee Break</b> (IUC Atrium)
15.00-16.30	Session IV <b>Croatia LNG Project</b> <b>DSc Predrag Kvasnička</b> (Geokon d.o.o., Croatia) <b>Andreja Ana Lopac</b> (INA Plc., Croatia): <i>Possibility of LNG fuelling in Croatia</i>
15.00-18.30	<b>Workshop: Reservoir Evaluation and Management</b> (IUC, Conference Room, 1st Floor)
16.00-18.30	Session II - <b>Practical Examples</b> <b>MSc Sonja Koščak Kolin</b> (University of Zagreb, Croatia): <i>Production system modelling of horizontal, fractured and horizontal wells with transverse fractures in Program Prosper</i>

## WEDNESDAY, June 15<sup>th</sup>, 2016

9.00-13.00	Sessions III-V- <b>Reservoir Evaluation and Management</b> (IUC, Conference Room, Ground Floor) <b>Chairmen/Moderators:</b> Domagoj Vulin (University of Zagreb, Croatia)
9.00-10.30	Session III- <b>Reservoir Evaluation and Management</b> <b>DSc Arash Dahi Teleghani</b> (Louisiana State University, USA): <i>Rock properties and rock mechanism related to HF</i>

10.30-11.00 **Coffee Break** (IUC Atrium)  
11.00-13.00 Session IV- **Reservoir Evaluation and Management**  
**DSc Arash Dahi Teleghani** (Louisiana State University, USA): *Characterization of unconventional reservoirs including pressure transient tests*  
14.00 **Excursion**

## THURSDAY, June 16<sup>th</sup>, 2016

9.00-15.00	Sessions V-VII- <b>Reservoir Evaluation and Management</b> (IUC, Conference Room, Ground Floor) <b>Chairmen/Moderators:</b> Branimir Cvetković (University of Zagreb, Croatia)
9.00-10.30	Session V - <b>Reservoir Evaluation and Management</b> <b>Krešo Kurt Butula</b> (Schlumberger, Russia): <i>HF treatment</i>
10.30-11.00	<b>Coffee Break</b> (IUC Atrium)
11.00-12.30	Session VI - <b>Reservoir Evaluation and Management</b> <b>Krešo Kurt Butula</b> (Schlumberger, Russia): <i>Fracturing fluid properties and proppant transport</i>
12.30-13.00	<b>Coffee Break</b> (IUC Atrium)
13.00-15.00	Session VII - <b>Reservoir Evaluation and Management</b> <b>Leon Massaras</b> (Pangea Energy Ltd) <i>HF treatment for typical filed/reservoir situation</i> <b>Leon Massaras</b> (Pangea Energy Ltd): <i>Fracture design with the program FRACPRO</i>
16.00	<b>Walking Tour</b>

## FRIDAY, June 17<sup>th</sup>, 2016

9.00-13.00	Session VIII-IX - <b>Enhanced Oil Recovery (EOR)</b> (IUC, Conference Room, Ground Floor) <b>Chairmen/Moderators:</b> Krešo Kurt Butula (Schlumberger, Russia)
9.00-10.30	Session VIII - <b>Reservoir Evaluation and Management</b> <b>DSc Branimir Cvetković</b> (Petro Brelle Energy, Norway): <i>Multilaterals and multifractured-horizontal well coupling to an unconventional reservoir</i>
10.30-11.00	<b>Coffee Break</b> (IUC Atrium)
11.00-12.30	Session IX - <b>Reservoir Evaluation and Management</b> <b>DSc Maša Prodanović</b> (University of Texas, Austin, USA): <i>Fracture propagation in the presence of natural fractures ;</i> <b>DSc Maša Prodanović</b> (University of Texas, Austin, USA): <i>Pore scale characterization of shale reservoirs; Natural fracture characterization in tight reservoirs</i>
12.30-13.00	<b>CLOSING CEREMONY</b>
13.00	<b>Farewell Cocktail</b> (IUC Atrium)

