

LECTURERS:

I. Short Course: *Deep Offshore Challenges- From Exploration to Production* (June, 8th)

1. Barbara Dorić (Croatian Hydrocarbon Agency, Croatia): *Offshore Adriatic - exploration and production activities*
2. DSc Tomislav Malvić (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Geology of the Croatian part of the Adriatic Basin, possible hydrocarbon systems and some previous explorations*
3. DSc Zdenko Krištafor (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Offshore drilling*
4. DSc Herbert Hofstätter (Montan University Leoben, Austria): *Offshore waste free drilling*
5. DSc Borivoje Pašić (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Technological and environmental impact of drilling fluids on offshore drilling operation*
6. DSc Davorin Matanović (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Environmental risk due the petroleum engineering activities in Adriatic Sea*
7. DSc Lidia Hrnčević (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Oil spill response and countermeasures*
8. DSc Daria Karasalihović Sedlar (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Concessions for offshore exploration and production*
9. Krešo Šimić (Crosco Ltd., Croatia): *Offshore drilling activities*
10. (INAgip Croatia/Italy): *Offshore production systems and transport*
11. (Eni S.p.A., Italy): *Italian experiences in deep offshore (Adriatic)*
12. DSc Paul Shcherban (Immanuel Kant Baltic Federal University, Russia): *Perspectives analyses of Baltic Sea oil and gas deposits development*

II. Short Course: *Enhanced Oil Recovery (EOR)* (June, 9-12th)

1. DSc Shahin Kord (Montan University Leoben, Austria):
 - *Introduction to EOR methods*
 - *Reservoir fluid characterization*
 - *Reservoir rock characterization*
 - *Screening of EOR methods:*
 - *Displacement efficiency (microscopic displacement, macroscopic displacement and heterogeneity)*
 - *Improving EOR outcomes (Improving water based methods through low salinity and carbonated water injection; Improving gas based methods through controlling Asphaltene related problems)*

- *EOR under fracturing condition*
- 2. Mohammad Sedaghat (Montan University Leoben, Austria)
 - *Improving EOR outcomes (Chemical methods; pore level visualization)*
- 3. DSc Domagoj Vulin (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia):
 - *Uncertainty Assessments In Recovery Forecasts*
- 4. DSc Branimir Cvetković (Petro Brelle Energy Ltd., Norway)
 - *Recovery factor vs. Reservoir complexity index and improvement in EOR outcomes*

WORKSHOP OVERVIEW

Sunday – June 7, 2015

5.00 p.m. – 7.00 p.m. Registration of Participants
(Inter-University Centre (IUC),
4 Don Frana Bulića, Dubrovnik)

Monday – June 8, 2015

8.00 a.m. – 9.00 a.m. Registration of Participants (IUC, PESS Office, First Floor)

9.00 a.m. – 9.30 a.m. Opening Ceremony (IUC, Conference Room, Ground Floor)

9.30 a.m. – 11.00 a.m. I. Session (IUC, Conference Room, Ground Floor)

- Barbara Dorić (Croatian Hydrocarbon Agency, Croatia): *Offshore Adriatic - exploration and production activities*
- DSc Tomislav Malvić (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Geology of the Croatian part of the Adriatic Basin, possible hydrocarbon systems and some previous explorations*
- DSc Zdenko Krištafor (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Offshore drilling*

- 11.00 a.m. – 11.30 a.m. Coffee Break (IUC Atrium)
- 11.30 a.m. – 1.00 p.m. II. Session (IUC, Conference Room, Ground Floor)
- DSc Herbert Hofstätter (Montan University Leoben, Austria): *Offshore waste free drilling*
 - DSc Borivoje Pašić (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Technological and environmental impact of drilling fluids on offshore drilling operation*
 - DSc Davorin Matanović (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Environmental risk due the petroleum engineering activities in Adriatic Sea*
- 1.00 p.m. – 1.30 p.m. **Welcome Cocktail** (IUC Atrium)
- 1.30 a.m. – 3.00 p.m. III. Session (IUC, Conference Room, Ground Floor)
- DSc Lidia Hrnčević (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Oil spill response and countermeasures*
 - DSc Daria Karasalihović Sedlar (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia): *Concessions for offshore exploration and production*
 - Krešo Šimić (Crosco Ltd., Croatia): *Offshore drilling activities*
- 3.00 p.m. – 3.30 a.m. Coffee Break (IUC Atrium)
- 3.30 a.m. – 5.00 p.m. IV. Session (IUC, Conference Room, Ground Floor)
- (INAgip Croatia/Italy): *Offshore production systems and transport*
 - (Eni S.p.A., Italy): *Italian experiences in deep offshore (Adriatic)*
 - DSc Paul Shcherban (Immanuel Kant Baltic Federal University, Russia): *Perspectives analyses of Baltic Sea oil and gas deposits development*
- 5.00 p.m. Late Lunch/Early Dinner (Mimosa Restaurant)

Tuesday – June 9, 2015

- 9.30a.m. – 11.00 a.m. V. Session (IUC, Conference Room, Ground Floor)

DSc Shahin Kord (Montan University Leoben, Austria):

- *Introduction to EOR methods*
- *Reservoir fluid characterization*
- *Reservoir rock characterization*

11.00 a.m. – 11.30 a.m. Coffee Break (IUC Atrium)

11.30 a.m. – 1.00 p.m. VI. Session (IUC, Conference Room, Ground Floor)

DSc Shahin Kord (Montan University Leoben, Austria):

- *Screening of EOR methods:*

1.00 p.m. – 1.30 p.m. Coffee Break (IUC Atrium)

1.30 a.m. – 3.00 p.m. VII. Session (IUC, Conference Room, Ground Floor)

DSc Shahin Kord (Montan University Leoben, Austria):

- *Displacement efficiency (microscopic displacement, macroscopic displacement and heterogeneity)*

Wednesday – June 10, 2015

9.30 a.m. – 11.00 a.m. VIII. Session (IUC, Conference Room, Ground Floor)

DSc Shahin Kord (Montan University Leoben, Austria):

- *Improving EOR outcomes (Improving water based methods through low salinity and carbonated water injection; Improving gas based methods through controlling Asphaltene related problems)*

11.00 a.m. – 11.30 a.m. Coffee Break (IUC Atrium)

11.30 a.m. – 1.00 p.m. IX. Session (IUC, Conference Room, Ground Floor)

DSc Shahin Kord (Montan University Leoben, Austria):

- *EOR under fracturing condition*

2.00 p.m.

Excursion

Thursday – June 11, 2015

- 9.30 a.m. – 11.00 a.m. X. Session (IUC, Conference Room, Ground Floor)
Mohammad Sedaghat (Montan University Leoben, Austria)
• *Improving EOR outcomes (Chemical methods; pore level visualization)*
- 11.00 a.m. – 11.30 a.m. Coffee Break (IUC Atrium)
- 11.30 a.m. – 2.00 p.m. XI. Session (IUC, Conference Room, Ground Floor)
DSc Domagoj Vulin (Faculty of Mining, Geology & Petroleum Engineering, University of Zagreb, Croatia):
• *Uncertainty Assessments In Recovery Forecasts*
- 4.00 p.m. – 7.00 p.m. **Walking Tour** – Sightseeing of the Old City of Dubrovnik

Friday – June 12, 2015

- 9.30a.m. – 11.00 a.m. XII. Session (IUC, Conference Room, Ground Floor)
DSc Branimir Cvetković (Petro Brelle Energy Ltd., Norway)
• *Recovery factor vs. Reservoir complexity index and improvement in EOR outcomes*
- 11.00 a.m. – 11.30 a.m. Coffee Break (IUC Atrium)
- 11.30 a.m. – 12.30 p.m. **Closing Ceremony** (IUC, Conference Room, Ground Floor)
- 12.30 p.m. **Farewell Cocktail** (IUC Atrium)