

MONDAY, June 6th, 2022

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 09:30 - 10:00 **OPENING CEREMONY**
Welcome Addresses:
Dr. Daria Karasalihović Sedlar, PESS Executive Director
Dr. Vladislav Brkić, Dean of the Faculty of Mining, Geology and Petroleum Engineering
SPE President – Kamel Ben-Naceur
- 10:00 - 10:20 **Hrvoje Krhen (LNG Croatia) – LNG Terminal**
- 10:20 - 11:30 **Kamel Ben-Naceur (SPE President) - Changing the Trajectories of Energy Consumption and Mix, and of Anthropogenic Emissions: What will it take?**
- 11:30 - 12:00 **Coffee break**
- 12:00 - 14:00 **Leon Stille (Manager Business School Energy Delta Institute) - Decarbonization and gas markets in turmoil, what is the path forward?**
Joris Heijdt - (Energy Delta Institute) - H2 and Energy Transition
- 14:00 - 15:00 **WELCOME RECEPTION**
- 15:00 - 17:00 **Dr. Agnieszka Pawlak (Director, technical, Carbon Connect International Inc.) (first floor): Methane outlook and strategic planning**
Methane emission sources
- 19.00 **NETWORKING DINNER**

TUESDAY, June 7th, 2022

IUC, Conference Room, First Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 09:00 - 10:30 **Dr. Agnieszka Pawlak (Carbon Connect International Inc.) - Introduction to emissions quantification & data management**
- 10:30 - 11:00 **Coffee break**

- 11:00 - 12:30 **Dr. Agnieszka Pawlak (Carbon Connect International Inc.) - Introduction to emissions quantification & data management – cont'd**
- 12:30 - 13:00 **Coffee break**
- 13:00 - 14:30 **Dr. Agnieszka Pawlak (Carbon Connect International Inc.) - Technology opportunities**
- 14:30 - 15:00 **Coffee break**
- 15:00 - 16:30 **Dr. Agnieszka Pawlak (Carbon Connect International Inc.) - Project finance and standards**

WEDNESDAY, June 8th, 2022

IUC, Conference Room, First Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 09:00 - 10:30 **Dr. Domagoj Vulin (University of Zagreb) - Can it be carbon negative? Exercises to estimate net CO₂ (emissions) from injection, retention, recycling, and combustion of simultaneously produced hydrocarbons**
- 10:30 - 11:00 **Coffee break**
- 11:00 - 12:00 **Dr. Domagoj Vulin (University of Zagreb) - Can it be carbon negative? Exercises to estimate net CO₂ (emissions) from injection, retention, recycling, and combustion of simultaneously produced hydrocarbons**
- 12:00 - 12:30 **Chris Bolesta (EC) CCS/CCUS EU legislation & funding**
- 12:30 - 13:15 **Lidija Božić (Croatian Hydrocarbon Agency) CCS/CCUS legislation**
- 14:00 - 23:00 **EXCURSION – Dubrovnik County**

THURSDAY, June 9th, 2022

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 8:00 - 10:30 **Dr. Vincenzo De Gennaro (CCS Subsurface and Geomechanics Advisor, Advisor Asset Performance Solutions, Schlumberger) - General Introduction to CCUS:**
Worldwide CCUS status and outlook; The brief history of acid gas storage and implications to CCUS

- 10:30 - 10:45 **Coffee break**
- 10:45 - 12:30 **Dr. Vincenzo De Gennaro (Schlumberger) - Worldwide CCUS case studies**
- 12:30 - 13:00 **Coffee break**
- 13:00 - 14:30 **Dr. Vincenzo De Gennaro (Schlumberger): Introduction to CCS regulations and guidelines**
Introduction to storage mechanisms and security
- 14:30 - 14:45 **Coffee break**
- 14:45 - 16:30 **Dr. Vincenzo De Gennaro (Schlumberger): Workflow for CCS site screening**
Workflow and case studies for subsurface characterization
- 17:00 - 20:00 **DUBROVNIK OLD CITY GUIDED WALK**

FRIDAY, June 10th, 2022

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 09:00 - 10:30 **Dr. Vincenzo De Gennaro (Schlumberger): Review of key concepts**
Experimental rock mechanics for reservoir geomechanics studies
- 10:30 - 11:00 **Coffee break**
- 11:00 - 12:30 **Dr. Vincenzo De Gennaro (Schlumberger): Review of key input data for 3D coupled geomechanics and flow dynamic modelling**
3D coupled geomechanics and flow dynamic modelling and case studies
- 12:30 - 13:00 **CLOSING CEREMONY**
- 13:00 - 14:00 **FAREWELL RECEPTION**

Participants are encouraged to bring their own laptop.

The organizers reserve the right to make changes to the Program.

REGISTRATION and GENERAL INFORMATION:

 www.rgn-poss.com

 **Petroleum Engineering Summer School**

PESS EXECUTIVE DIRECTOR:

Full Professor Daria Karasalihović Sedlar

University of Zagreb, Faculty of Mining, Geology and Petroleum Engineering

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ACCOMMODATION: IUC Dorm, CAAS apartments

iuc.hr/accommodation/dormitory

LOCATION: IUC Dubrovnik - iuc.hr

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SUMMER SCHOOL
IUC - DUBROVNIK - CROATIA**



Petroleum
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WORKSHOP 51B

Organized in Cooperation with Schlumberger
and Carbon Connect International



June 6th – 10th 2022

**Emission Management – Methane
measuring & mitigation, Carbon Capture,
Utilization & Storage**



University of Zagreb
**FACULTY OF MINING,
GEOLOGY AND PETROLEUM
ENGINEERING**



Croatian Section



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