

MONDAY, June 13th, 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. Borivoje Pašić, Vice dean of the Faculty of Mining, Geology and Petroleum Engineering INA Plc. Representative
Marijan Krpan, President of the Management Board at Croatian Hydrocarbon Agency
Laura Precupanu, SPE Regional Director Europe)
- 10:00 - 10:45** **Laura Precupanu (SPE Regional Director Europe) - How Do You Fit in the Geothermal Energy Future?**
- 10:45 - 11:00** **Marijan Krpan (Croatian Hydrocarbon Agency) - CHA Activities**
- 11:00 - 12:00** **Željka Sladović (Geoda Consulting) - Structural Geology in Geothermal Exploration**
- 12:00 - 12:30** **Coffee break**
- 12:30 - 14:00** **Dr. Thomas Kohl (Karlsruhe Institute of Technology) – Borehole Technology: Logging - Detecting Geothermal Brines - Electrical Survey**
- 14:00 - 15:00** **WELCOME RECEPTION**
- 15:00 - 16:15** **Dr. Thomas Kohl (Karlsruhe Institute of Technology) – Borehole Technology: Logging - Nuclear Logs**
- 16:15 - 16:30** **Coffee break**
- 16:30 – 17:30** **Dr. Thomas Kohl (Karlsruhe Institute of Technology) – Well Testing in Geothermal Project Development**
- 19.00** **NETWORKING DINNER**

TUESDAY, June 14th, 2022

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 09:00 - 10:30** **Eric Léoutre (Ad Terra Energy) - Oil and geothermal co production in sedimentary context: guide to match make resource and needs, key parameters to consider.**
- 10:30 - 11:00** **Coffee break**
- 11:00 - 12:30** **Eric Léoutre (Ad Terra Energy) - Oil and geothermal co production: learnings from a real project; Discussion with participants regarding benefits and limitations.**
- 12:30 - 13:00** **Coffee break**
- 13:00 - 15:00** **Eric Léoutre (Ad Terra Energy) - Oil to geothermal conversion: pilot results of power production with ORC turbines; deep borehole exchanger design study; Oil to geothermal conversion: method and case study; Discussions with participants regarding scale up potential and barriers to overcome**
- 15:00 - 15:30** **Coffee break**
- 15:30 - 16:00** **Jadranka Leško (Ministry of economy) – Development of geothermal reserves in Croatia**
- 16:00 - 16:30** **Dr. Daria Karasalihović Sedlar (University of Zagreb) - Geothermal project development - economic, and environmental aspects**

WEDNESDAY, June 15th, 2022

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 09:00 - 10:30** **Dr. Marija Macenić (University of Zagreb) - Modelling of geothermal systems using GEOPHIRES v2.0®; Potential of Deep Borehole Heat Exchangers in Croatia**
- 10:30 - 11:00** **Coffee break**
- 11:00 - 13:00** **Dr. Tomislav Kurevija (University of Zagreb) – Reservoir & production engineering and workover aspects of oil-to-geothermal field revitalization projects**
- 14:00 - 23:00** **EXCURSION – Dubrovnik County**

THURSDAY, June 16th, 2022

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 10:00 - 11:30** **Dr. Hannes Hofmann (Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences) - Enhanced Geothermal Systems**
- 11:30 - 12:00** **Coffee break**
- 12:00 - 13:30** **Dr. Hannes Hofmann (Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences) - Geothermal reservoir simulation**
- 13:30 - 14:00** **Coffee break**
- 14:00 - 16:00** **Dr. Luka Perković (University of Zagreb) - Conversion of geothermal energy to useful heat and power**
- 17:00 - 20:00** **DUBROVNIK OLD CITY GUIDED WALK**

FRIDAY, June 17th, 2022

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

- 09:00 - 10:30** **Dragutin Domitrović (Calida Aqua) - Geothermal Power Plant Construction: a Real Life Experience: Fun with permitting and Joys of construction**
- 10:30 - 11:00** **Coffee break**
- 11:00 - 12:30** **Dragutin Domitrović (Calida Aqua) - Geothermal Power Plant Construction: a Real Life Experience: Thrill of start up and Pleasure of commercial operation**
- 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

Don Frana Bulića 4, HR-20000 Dubrovnik, Croatia

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WORKSHOP 52

June 13th – 17th 2022

Geothermal development – geological potential, well planning, well construction, reservoir engineering, production utilization, legal and economic aspects



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



Croatian Section



REPUBLIC OF CROATIA
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