

MONDAY, June 16th, 2025

IUC, Conference Room, Ground Floor

Chairmen: Dr. Daria Karasalihović Sedlar

09:30 - 10:00	OPENING CEREMONY - Welcome Addresses
10:00 - 10:45	Jadranka Leško (Croatian Ministry of Economy) - Geothermal Energy Exploration & Development
10:45 - 11:30	Zorica Kurešić (Croatian Hydrocarbon Agency) - Unlocking Geothermal Potential Through the National Recovery and Resilience Plan: Strategic Role of the Croatian Hydrocarbon Agency
11:30 - 12:00	Coffee break
12:00 - 13:30	Arnbjörn Ólafsson (GeoCamp Iceland) - Iceland Geothermal Energy and the Energy Transition in Iceland: Bridging Industry and Education through Geothermal Innovations
13:30 - 14:30	WELCOME RECEPTION
14:30 - 15:30	Mark Smith (OMV) - Innovative Technologies in Drilling and Completion in Geothermal Wells, High Pressure/High Temperature in Geothermal Wells
15:30 - 16:00	Dr. Damir Zadravec (Fika Eco) - The Impact of Thermal Expansion on Geothermal Wells Integrity
16:00 - 16:30	Coffee break
16:30 - 18:00	Marie-Caroline Spallart (OMV) - GHG Emissions Monitoring and Management
18:00 - 18:45	Giacomo Rufo Menghetti (Exergy) - Surface Technologies for Geothermal Power Generation and District Heating: Advances In Binary Cycle Systems and Large-Scale Heat Pumps With European Case Studies

20.00 **NETWORKING DINNER**

TUESDAY, June 17th, 2025

IUC, Conference Room, Ground Floor

Chairmen: Dr. Luka Perković

09:00 - 10:30	Dr. Keita Yoshika & Dr. Chaofan Chen (Montanuniversität Leoben) - Borehole Heat Exchanger: Theory and Applications
10:30 - 11:00	Coffee Break

11:00 - 12:30	Dr. Keita Yoshika & Dr. Chaofan Chen (Montanuniversität Leoben) - Borehole Heat Exchanger: Modelling with OpenGeoSys
12:30 - 13:30	Break
13:30 - 15:00	Dr. Keita Yoshika & Dr. Chaofan Chen (Montanuniversität Leoben) - Open-loop Systems: Theory and Applications
15:00 - 15:15	Break
15:15 - 16:45	Dr. Keita Yoshika & Dr. Chaofan Chen (Montanuniversität Leoben) - Open-loop Systems: Modelling with OpenGeoSys
16:45 - 17:00	Break
17:00 - 18:30	Dr. Luka Perković (Faculty of Mining Geology and Petroleum Engineering) - Mathematical modelling of operating parameters for the geothermal power plant

WEDNESDAY, June 18th, 2025

IUC, Conference Room, Ground Floor

Chairmen: Zorica Kurešić

09:00 - 10:30	Giulia Cittadini (European Geothermal Energy Council) - The Policy Momentum of Geothermal in Europe
10:30 - 11:00	Coffee break
11:00 - 12:30	Giulia Cittadini (European Geothermal Energy Council) - Innovative Business Models for Geothermal District Heating and Cooling Systems Development
15:00 - 23:00	EXCURSION – Dubrovnik County

THURSDAY, June 19th, 2025

IUC, Conference Room, Ground Floor

Chairmen: Dr. Marija Macenić

08:00 - 10:30	DUBROVNIK OLD CITY GUIDED WALK
11:00 - 12:00	Darcy Spady (Carbon Connect International) - Emission Management Related to Geothermal Exploration
12:00 - 13:00	Diana Xiuhneli Herrera (Halliburton) - Transforming Geothermal Exploration: Digital Well Program Ecosystem Integrating Collaborative Well Engineering, Real Time Solutions and Emissions management
13:00 - 13:30	Coffee break

13:30 - 14:10	Dr. Tomislav Kurevija (TRANSGEO project) - Transforming Abandoned Wells for Geothermal Energy Production - TRANSGEO Project Introduction
14:10 - 14:40	Dr. Ferenc Fedor, Dr. Marija Macenić (TRANSGEO project) - Well Repurposing Potential of Central Europe - Setup of Regional Databases for Pannonian Basin
14:40 - 15:30	Dr. Janos Kovacs, Matej Prkič, Dr. Marija Macenić (TRANSGEO project) - Development of Well Assessment and Repurpose Potential Of the Pannonian Basin System in Hungary, Slovenia and Croatia
15:30 - 16:00	Coffee break
16:00 - 17:30	Dr. Tomislav Kurevija, Dr. Ferenc Fedor, Dr. Janos Kovacs, Matej Prkič (TRANSGEO project) - Feasibility Studies for Pilot Sites in Croatia, Hungary and Slovenia

FRIDAY, June 20th, 2025

IUC, Conference Room, Ground Floor

Chairmen: Katarina Marojević

09:00 - 10:00	Dr. Berislav Gašo (OMV) - Enhancing OMV's Energy Portfolio by Adding Renewables and Geothermal Solutions to the Traditional E&P Business
10:00 - 11:00	Dr. Hannes Hofmann (GFZ) - Reuse of Hydrocarbon Wells for Geothermal Energy Production I
11:00 - 11:30	Coffee break
11:30 - 13:00	Dr. Hannes Hofmann (GFZ) - Reuse of Hydrocarbon Wells for Geothermal Energy Production II
13:00 - 13:30	CLOSING CEREMONY
13:30 - 14:30	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-pess.com



[Petroleum Engineering Summer School](#)

PESS EXECUTIVE DIRECTOR:
Dr. Daria Karasalihović Sedlar

CHAIRMAN OF THE PESS ORGANIZING COMMITTEE:
Dr. Ivan Smajla

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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OIL & GAS EXPLORATION AND PRODUCTION

IN CROATIA

Production



23.1
Mboe/d
in 2024

2P Reserves



65
MMboe
in 2024

IN EGYPT

Production



1.9
Mboe/d
in 2024

Reserves



2.3
MMboe
in 2024

ONSHORE AND OFFSHORE

Oil fields



38
in production
in 2024

Gas fields



28
in production
in 2024



PETROLEUM ENGINEERING SUMMER SCHOOL

WORKSHOP 58

June 16th – 20th 2025
IUC – DUBROVNIK

Geothermal Energy Exploration and Production



University of Zagreb
FACULTY OF MINING,
GEOLOGY AND PETROLEUM
ENGINEERING

