



SPINAKEK

- INTENSIVE INTERNATIONAL EDUCATION PROGRAMS

Second edition of International School at AGH UST

Modern trenchless technologies, construction
and renovation of gas pipelines



11.05.2023 Thursday

on-line meeting component, Platform: Microsoft Teams

13:00 p.m. - 14:30 p.m.	„Get to know Poland” A short introduction to Polish culture, geography, history and language” (2h) (Paweł Świerk / Aleksandra Perkins-Oleszkowicz)
14:30 p.m. - 17:30 p.m.	„Introduction to modern trenchless technologies, construction and renovation of gas pipelines” (Professor Jan Ziąja) (4h)

14.05.2023 Sunday - Arrival

15.05.2023 Monday

(Venue: Building A4, room 106) 9:00 a.m. - 12:45 p.m.	Modern trenchless technologies, construction and renovation of gas pipelines - part 1. Horizontal Directional Drilling – HDD technology (Professor Jan Ziąja) (5h)
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(Venue: Building A4, room 106) 16:00 p.m. - 19:00 p.m.	Landslides. Construction on landslide areas. (Professor Yurii Vynnykov) (4h)
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16.05.2023 Tuesday

(Venue: The Main Library of AGH University of Krakow, 30 Mickiewicz Ave., building U-1) 10:00 a.m. - 10:30 a.m.	Official welcome and presentation of SPINAKEK programme
10:30 a.m. - 13:30 p.m.	Campus Tour

(Venue: Building D2) 15:00 p.m. - 16:30 p.m.	Visit to laboratory Drilling Oil and Gas Faculty. (Professor Jan Ziąja) (2h)
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(Venue: Building A4, room 106) 17:00 p.m. - 18:30 p.m.	Modern trenchless technologies, construction and renovation of gas pipelines - The basics of design for crossing Microtunneling technology. (Professor Jan Ziąja) (2h)
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17.05.2023 Wednesday

(Venue: Building A4, room 120) 9:00 a.m. - 12:45 p.m.	Geotechnical aspects of the objects of the oil and gas complex. (Professor Yurii Vynnykov) (5h)
12:45 p.m. - 15:00 p.m.	„Get to know Poland” A short introduction to Polish culture, geography, history and language” (3h) (Paweł Świerk / Aleksandra Perkins-Oleszkowicz)
15:00 p.m. - 17:15 p.m.	Modern trenchless technologies, construction and renovation of gas pipelines - The basics of design for crossing Direct Pipe technology (Professor Jan Ziąja) (3h)

18.05.2023 Thursday

10:00 a.m. - 13:45 p.m.	Walking tour of the Old Town in Krakow under „Get to know Poland” A short introduction to Polish culture, geography, history and language” (Paweł Świerk / Aleksandra Perkins-Oleszkowicz) (5h)
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(Venue: Building A4, room 508) 14:00 p.m. - 17:45 p.m.	Modern trenchless technologies, construction and renovation of gas pipelines - Trenchless renovation Methods (Professor Jan Ziąja) (5h)
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19.05.2023 Friday

(Venue: Archon Company, Trzebinia) 8:30 a.m.	Bus Pick up from U-2 building
9:30 a.m. - 14:00 p.m.	Field trip

20.05.2023 Saturday

8:15 a.m.	Pick up from U-2 building
9:00 a.m.	Ojców National Park trip