

## Geopolymers Summer School Program

**on-line 5 - 8 July 2022**

### **Tuesday, 5th July**

9:00 – 09:30 Registration, opening of the Geopolymers Summer School

10:00 - 11:30 Lecture – Geopolymers and geopolymer cements, geopolymer composites by Barbara Kozub Ph.D, part 1

11:30 – 12:00 Coffee break

12:00 - 13:30 Lecture – Geopolymers and geopolymer cements, geopolymer composites by Barbara Kozub Ph.D, part 2

### **Wednesday, 6th July**

09:00 – 10:30 Lecture – Properties of geopolymers by Prof. Peter Louda, part 1

11:30 – 12:00 Coffee break

12:00 – 13:30 Lecture – Properties of geopolymers by Prof. Peter Louda, part 2

### **Thursday, 7th July**

09:00 – 10:30 Lecture – Testing of fire resistance of mineral materials and geopolymers, by Katarzyna Mróz Ph.D, part 1,

11:30 – 12:00 Coffee break

12:00 – 13:30 Lecture – Testing of fire resistance of mineral materials and geopolymers, by Mateusz Sitarz MSc, part 2

### **Friday, 8th July**

09:00 – 10:30 Lecture - A week in Poland - discover, explore and experience by Agnieszka Kamińska MSc, part 1

11:30 – 12:00 Coffee break

12:00 – 13:30 Lecture – A week in Poland - discover, explore and experience by Agnieszka Kamińska MSc, part 2

## **11 - 16 July 2022, Place in Cracow University of Technology**

### **Monday, 11th July, Faculty of Civil Engineering**

09:00 – 10:30 Lecture - Geopolymers as an innovative building materials – examples of applications, visiting the laboratory of the Faculty of Civil Engineering by prof. Izabela Hager, part 1

10:30 – 11:00 Coffee break

11:00 – 12:30 Lecture - Geopolymers as an innovative building materials – examples of applications, visiting the laboratory of the Faculty of Civil Engineering by prof. Izabela Hager, part 2,

12:30 – 13:30 Lunch break

13:30 – 16:00 Educational trips- the center of Cracow, Wawel Castle

### **Tuesday, 12th July, Faculty of Civil Engineering**

09:00 – 11:15 Laboratory exercises - Fire resistance of geopolymer materials - change of physical and mechanical properties, Katarzyna Mróz PhD, Mateusz Sitarz MSc

11:15 – 11:45 Coffee break

11:45 – 14:00 Laboratory exercises - Fire resistance of geopolymer materials - change of physical and mechanical properties, Katarzyna Mróz PhD, Mateusz Sitarz MSc

14:00 – 14:30 Coffee break

14:30 – 16:00 Lecture - Assessment of properties and diagnostics of damage to mineral materials by prof. Izabela Hager,

### **Wednesday, 13th July, Faculty of Civil Engineering / Faculty of Materials Engineering and Physics**

09:00 – 10:30 Lecture - Raw materials used for the production of geopolymers by Prof. Gábor Mucsi

10:30 – 11:00 Coffee break

11:00 – 13:15 Laboratory exercises - Methods of geopolymer fabrication, Barbara Kozub PhD, Kinga Pławecka MSc

13:15 – 14:15 Coffee/Lunch break

14:15 – 16:30 Laboratory exercises - Methods of geopolymer fabrication, Barbara Kozub PhD, Kinga Pławecka MSc

**Thursday, 14th July, Faculty of Civil Engineering / Faculty of Materials Engineering and Physics**

09:00 – 10:30 Lecture - Modern geopolymer composites Prof. Gábor Mucsi

10:30 – 11:00 Coffee break

11:00 – 13:15 Laboratory exercises - Research on the properties of geopolymers materials part 1, Barbara Kozub PhD, Kinga Pławecka MSc,

13:15 – 14:15 Coffee/Lunch break

14:15 – 16:30 Laboratory exercises - Research on the properties of geopolymers materials part 2, Barbara Kozub PhD, Kinga Pławecka MSc,

**Friday, 15th July**

09:00 – 11:30 Educational trips

11:30 – 12:30 Lunch break

14:00 – 14:30 Educational trips / Study visit in the company

**Saturday, 16th July**

08:00 – 15:00 Educational trips The „Wieliczka” Salt Mine