



SUSTAINABLE CEMENT AND CONCRETE SEMINAR

VENUE University of Miskolc

DATE 09 May 2024, 9:00-12:00

09:00-11:50

Chairman: Gábor Mucsi, Dean, Professor – Faculty of Earth and Environmental Sciences and Engineering, University of Miskolc

09:00-09:20 – **Keynote Speaker:** David Govoni, President, European Federation of Geologists: **Sustainability in lime Industry**

09:20-09:30 – Dariusz Mierzwiński, Szymon Gądek, Marek Hebda - Cracow University of Technology: **Geopolymer as a material solution to build green cities.**

09:30-09:40 – Dariusz Mierzwiński, Szymon Gądek, Marek Hebda - Cracow University of Technology: **Geopolymer materials in 3D printing techniques.**

09:40-09:50 – Wei-Ting Lin, Kae-Long Lin – National Ilan University: **Characterisation study of printable cementless materials.**

09:50-10:00 – Liga Radina, Rihards Gailitis, Leonids Pakrastins, Andina Sprince – Riga Technical University: **Effects of curing conditions on geopolymer concrete composite properties.**

10:00-10:10 – Rihards Gailitis, Liga Radina, Leonids Pakrastins, Andina Sprince – Riga Technical University: **Fly Ash Based Geopolymer Composites with PVA and Steel Fiber Long-Term Properties in Compression and Three-Point Bending.**

10:10-10:30 – Coffee break

10:30-10:40 – Magdalena Rudziewicz, Marcin Maroszek, Mateusz Góra: **Sustainable materials for residential building 3D printing.**

10:40-10:50 – Marcin Maroszek, Mateusz Góra, Magdalena Rudziewicz: **Development of system for additive manufacturing of construction concrete and mortar mixes.**

10:50-11:00 – Noémi Németh, Gábor Mucsi, Roland Szabó – University of Miskolc: **Effect of grinding fineness on the properties of lignite fly ash-based geopolymer foams.**

11:00-11:10 – Roland Szabó, Fanni Dolgos, Dariusz Mierzwiński, Marek Hebda, Gábor Mucsi – University of Miskolc, Cracow University of Technology: **Effect of grinding fineness on the mechanical properties of fly ash-based hybrid alkali-activated cement foam.**

11:10-11:20 – Tamás Korim, Balczár Ida, Pannon University: **Geopolymer from waste**

11:20-11:30 – Salem George Nehme, Budapest University of Technology and Economics: **Concrete from secondary raw materials**

11:30-11:50 – Discussion

12:00-13:00 – Lunch