Miskolc Campus Forum Green and Smart

Greennovation Symposium

MISKOLCI EGYETEM

7TH SUSTAINABLE CEMENT AND CONCRETE SEMINAR

Scientific Society of the Silicate Industry, Cement Division, Concrete Division

Section of Earth Sciences of the Hungarian Academy of Sciences,
Committee on Mining, Geotechnical and Raw Material Preparation Subcommittee

MTA MAB Working Committee on Raw Material Preparation and Environmental Process Engineering, Mining and Energy

University of Miskolc, Faculty of Earth and Environmental Sciences and Engineering

Section of the University of Miskolc of the Hungarian Mining and Metallurgical Society

respectfully invite you to the

7th Sustainable Cement and Concrete Seminar

Scientific Day.

Date of the event: 9th May 2024 at 9:00 AM

Venue of the meeting: University of Miskolc, the exact location will be announced later.

The event is free, but **prior registration is required**. Please register at the link below:

https://rb.gy/sxuqps

If you have any further question, please contact Dr. Roland Szabó via e-mail roland.szabo@uni-miskolc.hu

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7TH SUSTAINABLE CEMENT AND CONCRETE SEMINAR

VENUE	University of Miskolc
DATE	**2024.05.09. 9:00-11:50**

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 – ATMAT: **Sustainable materials for residential building 3D printing.**

10:40-10:50– Marcin Maroszek, Mateusz Góra, Magdalena Rudziewicz – ATMAT: **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– Thajeel Marwah Manea, Anna Szijártó, Dr. Salem Nehme – Budapest University of Technology and Economics: **3D Concrete Printing.**

11:10-11:20– Adrienn Fitosné Boros, Ida Soósné Balczár, Tamás Korim – University of Pannonia: **Development of geopolymer foams for photocatalytic purpose.**

11:20-11:30 – 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.**

11:30-11:50 – Discussion

12:00-13:00 – Sandwich lunch

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