

VIII. SUSTAINABLE CEMENT AND CONCRETE SYMPOSIUM

Scientific Society of Silicate Industry, Cement Division, Concrete Division

Hungarian Academy of Sciences, X. Section of Earth Sciences – Committee on Mining,

Subcommittee on Mining, Geotechnics and Mineral Processing

MTA MAB Working Committee on Raw Material Preparation and Environmental Process

Engineering, Mining and Energy

University of Miskolc, Faculty of Earth and Environmental Science and Engineering – Institute of

Raw Material Preparation and Environmental Technology

respectfully invite you to the

8th SUSTAINABLE CEMENT AND CONCRETE SYMPOSIUM

Scientific Day.

Date of the event: 21st October 2026 at 10:00 AM

Venue of the meeting: **Central Library**, Conference Room (1st floor), University of Miskolc.

The event is free, but **prior registration is required** in the following link:

<https://forms.gle/ohmpZgUTdcdr7QxRA>

If you have any further questions, please contact Dr. Roland Szabó via e-mail

roland.szabo@uni-miskolc.hu

VENUE University of Miskolc, Miskolc, Hungary

DATE 2026.10.21. 09:30-14:30

09:30-10:00 Registration

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

10:00-13:00

10:00-10:05 – Prof. Dr. Zita Horváth, Rector – **Welcome speech**

10:05-10:10 – Prof. Dr. Gábor Mucsi – Opening speech - **Opening speech**

10:10-10:40 – Keynote Speaker: Dr.-Ing. Joerg Rickert – Managing Director, VDZ Technology gGmbH and Head of Cement Chemistry Department - **Decarbonisation and preservation of natural resources along the cement and concrete value chain**

10:40-10:55 – Zvezdana Bascarevic, Jelena Rakic Milojevic, Rada Petrovic: **Methods to improve fly ash reactivity and increase its content in building materials.** (University of Belgrade – Institute for Multidisciplinary Research).

10:55-11:10 – Kamil Bekir Afacan, Haldun Kurama, Semra Kurama, Zahide Bayer Öztürk: **Turning Waste into Ground Resilience: Geopolymer Injection for Liquefaction Mitigation.** (Eskisehir Osmangazi University).

11:10-11:25 – Taner Kavas¹, A. Doğan Soyal², Barış Yıldırım², Gülden Tombas²: **Thermal Activation of Clays with Different Loss-on-Ignition Values for Low-Carbon Ceramic Tile Adhesives** (¹Afyon Kocatepe University, ²Saint-Gobain Weber, Kemalpaşa, İzmir, Türkiye).

11:25-11:40– Nemes Rita, Szijártó Anna: **Reducing the Environmental Impact of Concrete Using Alternative and Recycled Materials.** (Budapest University of Technology and Economics (BME)).

11:40-11:55 – Éva Makó, Csilla Óze, Jean Damascene Ndikuryayo, Nikolett Badacsonyi: **Development of supplementary cementitious materials by mechanochemical activation using primary and secondary raw materials from Hungary.** (University of Pannonia).

11:55-12:10 – Tamás Kántor, Sirine Trabelsi, Judit Makai, Tamás Kurusta: **Investigating the applicability of waste-based geopolymers for soil stabilization.** University of Miskolc.

12:10-12:25 – Roland Szabó¹, Ildikó Fóris¹, Gergely Kovács², László Karafa²: **Improving the utilisation of biomass fly ash as a supplementary cementitious material by mechanical activation.** (¹University of Miskolc, ²Saint-Gobain Hungary Kft.)

12:25-12:50 – Discussion

12:50-14:30 – Networking lunch

14:30–16:00 – Laboratory visit