

Session Program

1-5 Jun 2026

Muographers 2026

Civil Engineering and Industrial Applications

Thursday 4 June

08:30

Civil Engineering and Industrial Applications

Session | Location: Mercure Budapest Castle Hill 41-43 Krisztina Korut, Budapest, 1013 (GPS: 47.498822, 19.027326)

08:30-08:50 Muometric Positioning, Navigation and Timing

Speaker

Hiroyuki K. M. Tanaka

08:50-09:10 From HEP experiments to industrial developments: a roadmap for muography

Speaker

J. Marteau

09:10-09:30 Muography advancements in industrial extremes

Speaker

Gergo Hamar

09:30-09:45 Extensive muographic survey of Esztramos Hill

Speaker

Bence Rábóczki

09:45-10:00 Absorption muography for disused mining site stability

Speaker

Alistair Boyce

10:00

10:20

Civil Engineering and Industrial Applications

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10:20-10:35 Tracking upgrades and results of cavity imaging in more than 200 m depth

Speaker

Gábor Nyitrai

10:35-10:50 Muography Simulations for Carbon Capture and Storage Monitoring

Speaker

Hamid Basiri

10:50-11:05

Muon Studies of Urban Tunnel Overburden in Shanghai: Sediment Monitoring, Tidal Response, and Ongoing 3D Muon Radiography

Speaker

Yinghe Wang

11:05-11:20

Application of Muography in Geological Monitoring During Shield Tunneling: Long-Term Field Validation in Complex Urban Environments

Speaker

Xinyu Cai

11:20-11:35

Muography for Structural Health Monitoring of Hydraulic Dams: A Field Experiment on a Reservoir Auxiliary Dam

Speaker
Baopeng Su

11:35-11:50

Development of Cosmic-Ray Muon Imaging for Levee Safety Assessment Using Nuclear Emulsions

Speaker
Dr Nobuko Kitagawa

11:50-12:05

Methodical and experimental muon imaging for monitoring of industrial facilities

Speaker
Suzanne Eisenhofer

12:05