

SPOTLIGHT ON CUTTING-EDGE SCIENCE

Chemistry in engineering barrier systems

Session 1 – Dublin 08/09/2026



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PRESENTATION OF THE SESSION

Chair: Xavier Pintado (Clay Technology, Sweden), co-chair: Simona Sandalova (Politecnico di Milano, Italy)

Speakers:

- *"Studtite Stability in Aqueous Suspension: Effects of Boronic Species and Bicarbonate on Dissolution"*

Zoe Emory (Postdoc, KTH Royal Institute of Technology, Sweden)

- *"Specific anion effects on the swelling pressure of compacted MX80 bentonite: experiments and modelling"*

Zhangrong Liu (Postdoc, French National Centre for Scientific Research, Laboratory Navier, CNRS-NAVIER, France)

- *"Development and Optimization of ^{41}Ca Determination with AMS MILEA"*

Filip Babčický (PhD candidate, Czech Technical University in Prague, CVUT, Czech Republic)