

ENCL at the 2026 ACS Spring Meeting

1. PAPER TITLE: Sustainable utilization of CO₂ using PEI incorporated CaCO₃ mineral-hydrogel composites in biorefinery application

ORGANIZING DIVISIONS/COMMITTEES: ENFL: Division of Energy and Fuels

SESSION: Energy Innovation and Carbon Management: Materials, Chemistry, and Novel Process Technologies

DAY & TIME OF PRESENTATION: Sunday, March 22, 2026 from 8:45 AM - 9:05 AM

ROOM & LOCATION: A403 - Georgia World Congress Center

Speaker: Minkyung Jung

2. PAPER ID: 4420992

PAPER TITLE: Direct observations of critical development: Iron (hydr)oxide nucleation on substrates: From mineral coatings to desalination mineral fouling

ORGANIZING DIVISIONS/COMMITTEES: GEOC: Division of Geochemistry

SESSION: Molecular Frontiers and Interdisciplinary Pathways in Geochemistry: Honoring the Scientific Legacy of James D. Kubicki

DAY & TIME OF PRESENTATION: Monday, March 23, 2026 from 8:05 AM - 8:35 AM

ROOM & LOCATION: A304 - Georgia World Congress Center

Speaker: Young-Shin Jun

3. PAPER ID: 4421190

PAPER TITLE: Spatial cobalt enrichment and separation driven by interfacial carbonate crystallization and microfluidic control

ORGANIZING DIVISIONS/COMMITTEES: GEOC: Division of Geochemistry

SESSION: Transport Phenomena in Porous Media: Interplay Between Flow, Chemistry, and Mechanics at the Pore-Scale

DAY & TIME OF PRESENTATION: Monday, March 23, 2026 from 8:25 AM - 8:45 AM

ROOM & LOCATION: A302 - Georgia World Congress Center

Speaker: Xueyi Liu

4. PAPER ID: 4459432

PAPER TITLE: Ni recovery from Ni-containing forsterite (Mg_2SiO_4) and enstatite ($MgSiO_3$)

ORGANIZING DIVISIONS/COMMITTEES: GEOC: Division of Geochemistry

SESSION: Geosciences from the Molecular to Pore Scale: A Tribute to David Cole

DAY & TIME OF PRESENTATION: Tuesday, March 24, 2026 from 9:35 AM - 10:05 AM

ROOM & LOCATION: A303 - Georgia World Congress Center

Speaker: Young-Shin Jun

5. PAPER ID: 4421153

PAPER TITLE: Sulfide diffusion in carbonate nanochannels for nondestructive cobalt extraction and carbon mineralization

ORGANIZING DIVISIONS/COMMITTEES: GEOC: Division of Geochemistry|ENVR: Division of Environmental Chemistry

SESSION: Advancing Resource Recovery For Critical Minerals

DAY & TIME OF PRESENTATION: Tuesday, March 24, 2026 from 3:05 PM - 3:25 PM

ROOM & LOCATION: A303 - Georgia World Congress Center

Speaker: Xueyi Liu

6. Scalable struvite and calcium phosphate (CaP) mineral-hydrogel composites for nutrient remediation and algal blooms mitigation

ORGANIZING DIVISIONS/COMMITTEES: ENVR: Division of Environmental Chemistry

SESSION: Enabling Circular Economy Through the Sustainable Conversion of Waste Streams Into Valuable Resources

DAY & TIME OF PRESENTATION: Wednesday, March 25, 2026 from 8:30 AM - 8:50 AM

ROOM & LOCATION: A305 - Georgia World Congress Center

Speaker: Minkyung Jung

7. PAPER ID: 4409039

PAPER TITLE: Supercritical fluid-assisted selective recovery of rare earth elements from unburned coal

ORGANIZING DIVISIONS/COMMITTEES: GEOC: Division of Geochemistry|ENVR: Division of Environmental Chemistry

SESSION: Advancing Resource Recovery For Critical Minerals

DAY & TIME OF PRESENTATION: Thursday, March 26, 2026 from 8:40 AM - 9:00 AM

ROOM & LOCATION: A304 - Georgia World Congress Center

Speaker: Young-Shin Jun