



WORKSHOP & CONFERENCE PROGRAM

November 2nd Workshop: recent advances in research and technology on CCPs

14:00 – 14:30	Welcome Coffee
14:30 – 14:40	Welcome speech
14:40 – 15:00	Comparison of different methods to assess the pozzolanic activity of fly ash and bottom ash (P. Rak, M. Šídlová, R. Šulc, P. Formáček, R. Snop)
15:00 – 15:20	Alkali-activated concrete products based on industrial by-products (F. Kesikidou, I. Papayianni)
15:20 – 15:40	Resistance of mortars containing Czech fly ash to freezing and thawing (K. Pulcová, M. Šídlová, R. Šulc, P. Formáček, R. Snop)
15:40 – 16:00	Ground bottom ash as a supplementary cementing material (J. Bosnjak, E. Dilek, C. Öttl, H. Schellhorn)
16:00 – 16:20	Incorporation of SCMs and recycled aggregates in cement mortars using the Water Film Thickness (WFT) theory (M. Papachristoforou, E. Anastasiou, V. Siouta, N. Themeli)
16:20 – 17:00	General Discussion
17:00 – 19:00	Welcome Drink

November 3rd

09:00 – 09:20	Welcome speeches
	Session 1: General aspects and politics related to CCPs in decarbonization era
09:20 – 09:40	Global opportunities and challenges for coal combustion products within a Circular Economy (C. Heidrich, J. Feuerborn)
09:40 – 10:00	Reconstruction of the national economy and regional cohesion with value-added energy investments (P. Tsiknakou)
10:00 – 10:20	Challenges with CCPs in Europe (R. Snop, J. Feuerborn)
10:20 – 10:40	The rise and fall of Hellenic Fly Ashes (S. Tsimas, I. Papayianni, A. Moutsatsou)
10:40 – 11:10	Coffee break
11:10 – 11:30	Potential Utilization of Fly Ash and Bottom Ash (FABA) from Coal-fired Power Plants in Indonesia based on its Composition and Characteristics (F. Anggara, H.T.B.M Petrus, D.A.A. Bestari, K.V. Manalu)
11:30 – 11:50	Energy transition and the development of new economic activities in the lignite mines of Western Macedonia Region (F. Pavloudakis)
11:50 – 12:10	Declining US Coal-fired Generation: Challenges and Opportunities in Future Beneficial Use of Coal Combustion Products (B. Gallagher)
12:10 – 13:00	Roundtable discussion with moderator
13:00 – 14:30	Lunch break
	Session 2: Current availability, processing and logistics of CCPs
14:30 – 14:50	Bulk Ash Logistics from India to Europe (R. Dalal)
14:50 – 15:10	Concrete ash from deposit with little preparation (N. Bech)

15:10 – 15:30	Water Requirement and Pozzolanicity of Wet Stored/Processed Fly Ash for Use in Concrete (T.A. Hope, M.J. McCarthy, L.J. Csetenyi)
15:30 – 15:50	Upgrading the properties of Fly-Ash from long-term storage, with simultaneous deagglomeration, drying & classification using Atritor technology (A. Rigg, S. Coley)
15:50 – 16:10	Exploitation of fly ash from the deposit of Megalopolis area (S. Antiohos)
16:10 – 16:30	Coffee break
	Session 3: Legal frames and environmental issues associated with CCPs
16:30 – 16:50	Contribution of Supplementary Cementing Materials (SCM) on CO2 sequestration in concrete structures (V.G. Papadakis)
16:50 – 17:10	Development in revision of European Standards covering CCPs (J. Feuerborn)
17:10 – 17:30	Fly ash after SNCR denitrification and its utilisation in earthworks in Czech Republic (F. Kresta)
17:30 – 18:30	Roundtable discussion with moderator
20:00 – 22:30	Dinner

November 4th

	Session 4: Advances in processing CCPs for engineering applications I	Session 5: Scientific advances and evaluation of durability
09:00 – 09:20	The Radical Option for Drying Recovered PFA-Minimal Energy, Minimal Emissions (C. Every)	Research regarding the production of cementitious composites with autogenous self-healing capacity (T.P. Toader, A.V. Lăzărescu, B.A. Ionescu, H. Szilagy, C. Mircea)
09:20 – 09:40	Initial Studies on Biomass/Coal Ash Blends for Use as Cement Components in Concrete (G.Z. Chen, J.W. Norrie, M.J. McCarthy T.D. Dyer)	Role of SCMs on the development of durable and structural lightweight concrete (M. Stratoura, E. Badogiannis, V.G. Papadakis)
09:40 – 10:00	Binary blends CCP/BMA perspectives in construction products (L. Danest)	Avoiding Damaging Alkali Silica Reaction by the Addition of Fly Ash – Experiences from 15 Years of Field Exposure (A. Heisig, L. Urbonas, D. Heinz, A. Machner)
10:00 – 10:20	Ternary CCP binder for shotcrete: from lab tests to tunnel primary lining (V. Šmilauer, R. Sovják, Š. Pešková, R. Šulc)	Durability of concretes produced with blended cements against carbonation and chloride induced corrosion (K. Sideris, A. Savva, P. Manita)
10:20 – 10:40	The technology of processing of bed combustion fly ash for cement composite production (M. Tazky, R. Hela)	Internal sulfate resistance of concrete (J. von Werder, B. Meng, S. Simon)
10:40 – 11:00	Fly Ash Reclamation and Beneficiation Using a Triboelectric Belt Separator (L. Baker, H. Guicherd, F. Hrach)	Assessing the Sulphate Resistance of Concrete by a newly developed Performance Test Method (V. Feldrappe, A. Ehrenberg)

11:00 – 11:30	Coffee break	
	Session 6: Advances and uses of CCPs and other byproducts in alkali-activated concrete	Session 7: Advances in processing CCPs for engineering applications II
11:30 – 11:50	Design approach regarding the development of alkali-activated fly ash-based geopolymer paving blocks (A.V. Lăzărescu, B.A. Ionescu, H. Szilagyi, C. Baeră, A. Hegyi)	Sustainable pavements. Use of industrial by-products and assessment of their environmental footprint (A. Liapis, I. Papayianni)
11:50 – 12:10	The influence of NaOH solution molarity on the compressive strength of alkali-activated geopolymer binders (B.A. Ionescu, M. Chira, A.V. Lăzărescu, H. Szilagyi, A. Hegyi)	High-volume fly ash cementitious materials (HVFA-CM) with supplementary mineral additions- preliminary experimental evaluation (C. Baeră, H. Szilagyi, A.V. Lăzărescu, B. Bolborea, C. Florean)
12:10 – 12:30	Mechanical Properties of Hybrid Cotton and Steel Fiber Reinforced Fly-Ash Based Geopolymer Composites (A. Bąk, B. Figiela, M. Łach, R. Gailitis, W.-T. Lin, K. Korniejenko)	Investigation on the use of mineral admixtures and alternative aggregates in High Performance Concrete (E. Anastasiou, M. Kakava, N. Tavianatou)
12:30 – 12:50	Waste materials from combustion processes and mining industry - assessment of the possibility of using fly ashes in geopolymerization (K. Pławecka, P. Bazan, W.T. Lin, M. Sitarz, M. Nykiel, B. Figiela)	
12:50 – 14:00	Lunch break	
14:00 – 15:00	Roundtable plenary discussion with moderator	