



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)	Role of SCMs on the development of durable and structural lightweight concrete (M. Stratoura, E. Badogiannis, V.G. Papadakis)
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)	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)
09:40 – 10:00	Binary blends CCP/BMA perspectives in construction products (L. Danest)	Durability of concretes produced with blended cements against carbonation and chloride induced corrosion (K. Sideris, A. Savva, P. Manita)
10:00 – 10:20	Ternary CCP binder for shotcrete: from lab tests to tunnel primary lining (V. Šmilauer, R. Sovják, Š. Pešková, R. Šulc)	Internal sulfate resistance of concrete (J. von Werder, B. Meng, S. Simon)
10:20 – 10:40	The technology of processing of bed combustion fly ash for cement composite production (M. Tazky, R. Hela)	Assessing the Sulphate Resistance of Concrete by a newly developed Performance Test Method (V. Feldrappe, A. Ehrenberg)
10:40 – 11:00	Fly Ash Reclamation and Beneficiation Using a Triboelectric Belt Separator (L. Baker, H. Guicherd, F. Hrach)	
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	