

# TIMETABLE

1		MONDAY 10 JUNE MORNING
Venue	1	Dalhousie Building, Lecture Theatre 4 (2G11, left from Reception) / OPENING CEREMONY
Chairperson	Michael McCarthy, UK	
10.00 – 10.15	Welcome to the University: Professor Jonathan Knappett, School of Science and Engineering, University of Dundee Wendy Alexander, Vice-Principal for Internationalisation, University of Dundee Welcome to the City: David Kingsmill, ICE representative, Dundee City Council	
10.15 – 10.20	Welcome to the Conference: Dr Ing. Hans-Joachim Feuerborn, Secretary General, European Coal Combustion Products Association, Essen, Germany	
Venue	1	Dalhousie Building, Lecture Theatre 4 (2G11) / OPENING PAPERS
10.20 – 10.45	Global Aspects on Coal Combustion Products <b>Feuerborn, H-J, Harris, D, Heidrich, C</b>	
10.45 – 11.10	A Report on Beneficial Use of Coal Combustion Products in the United States <b>Adams T, American Coal Ash Association</b>	
11.10 – 11.35	Developments in CCP Management in Europe <b>Skidmore I, Feuerborn H-J</b>	
11.35 – 12.00	<b>EXHIBITION and TEA/COFFEE in the foyer of Dalhousie Building</b>	
Venue	1	Dalhousie Building, Lecture Theatre 4 (2G11) / STANDARDS AND REGULATIONS
Chairperson	Nigel Cooke, UK	
12.00 – 12.20	Implementation of Basic Work Requirement 3 in Harmonized Product Standards: Update on CEN/TC 351 for Test Procedures and Status of Work in CEN/TC 104/WG4 for Implementation into EN 450-1 <b>Wiens U, Feuerborn H-J, Sarabèr A</b>	
12.20 – 12.40	Reporting and Verifying the Potential Release of Dangerous Substances from Concrete Containing Fly Ash <b>Harrison T A</b>	
12.40 – 13.00	Comparison of EN 450 and ASTM 618 Specifications and Testing Procedures for Fly Ash Used in Concrete Robl T, Oberlink A, Duvallet T, <b>Jewell R</b> , Ladwig K	
13.00 – 13.10	<b>DISCUSSION</b>	
13.10 – 14.00	<b>EXHIBITION and LUNCH in the foyer of Dalhousie Building</b>	

# TIMETABLE

## MONDAY 10 JUNE AFTERNOON

1, 2				
Venue	1	Dalhousie Building, Lecture Theatre 1 (3G02) / FLY ASH TECHNOLOGY	2	Dalhousie, Lecture Theatre 2 (3G05) / PORE STRUCTURE AND FOAMS
Chairperson	Tom Robl, USA		Espen Lund, Canada	
14.00 – 14.20	Properties of High Temperature Fly Ashes After Application SNCR Technology from the Concrete Producer's Point of View Hela R, <b>Řažký M</b> , Osuska L		Phase-Transition Conductometry to Study Pore Structure Evolution in Fly Ash Mortar <b>Suryanto B</b> , Kim J, McCarter W J	
14.20 – 14.40	Ternary Binders with Fly Ash after Denitrification Bílek V, <b>Bambuchová M</b> , Bulíková L		A Novel Mechanically Robust Superhydrophobic Cement Foam Zheng Z, <b>She W</b> , Miao C	
14.40 – 15.00	Fly Ash as Alumina Resource <b>Marko M</b> , Opravil T, Šoukal F, Pořízka J		Pore Structure and Properties of Aerogel-Cement Composites <b>Lu J</b> , Jiang J, Lu Z Y, Li J	
15.00 – 15.20	Stockpile Beneficiation with Drying Facilities Fayola F, Danes, L		Use of Fly Ash in Production of Foam Glass <b>Bat Erdene P-E</b> , Pareek S, Danzandorj S, Sambuunyam S, Thombare R	
15.20 – 15.30	DISCUSSION			
15.30 – 16.00	EXHIBITION and TEA/COFFEE in the foyer of Dalhousie Building			
Venue	1	Dalhousie Building, Lecture Theatre 1 (3G02) / GEOPOLYMERS		
Chairperson	Rod Jones, UK			
16.00 – 16.20	A Review on the Development of Fly Ash-Based Geopolymer Materials Using Romanian Local Raw Materials <b>Lăzărescu A</b> , Szilagyi H, Baeră C			
16.20 – 16.40	Lagoon Fly Ash: A Potential Source of the Precursor for Geopolymer Binders <b>Kwasny J</b> , McGrath T, Lawther, S, Correia R, Soutsos M, Sha W, Cox S, Chen J F			
16.40 – 17.00	Tailoring the Mechanical Properties of Landfilled Fly Ash Geopolymers by Grinding <b>Ambrus M</b> , Szabó R, Csöke B, Mucsi G			
17.00 – 17.20	Investigation of Pore Structure and Properties of Lightweight Geopolymer based on Swelled Na-Bentonite <b>Yang Y</b> , Jiang J, Lu Z, Li J			
17.20 – 17.30	DISCUSSION			
18.15 – 19.15	Lord Provost's Reception, City Chambers, City Square, Dundee (Drinks and Canapées)			

# TIMETABLE

		1		TUESDAY 11 JUNE MORNING
Venue	1	Dalhousie Building, Lecture Theatre 1 (3G02) / FUTURE SOURCING OF FLY ASH		
Chairperson	Ravindra Dhir, UK			
09.00 – 09.20	Outlook for Fly Ash Sourcing in the UK <b>Cooke N</b>			
09.20 – 09.40	Wet Stored Fly Ash: Processing for Use as an Addition in Concrete Hope T A, <b>McCarthy M J</b> , Csetenyi L J			
09.40 – 10.00	PFA Extraction from the Gale Common Landfill Site <b>Ainscough H</b>			
10.00 – 10.20	Cost-Effective, Environmentally-Friendly Ash Beneficiation Technology <b>Sheikh V</b>			
10.20 – 10.30	<b>DISCUSSION</b>			
10.30 – 11.00	<b>EXHIBITION and TEA/COFFEE in the foyer of Dalhousie Building</b>			
Chairperson	Ivan Skidmore, UK			
11.00 – 11.20	Fly Ash Reclamation and Beneficiation using a Triboelectric Belt Separator <b>Baker L</b> , Gupta A, Hrach F			
11.20 – 11.40	Ash Drying Considerations <b>Coley S</b>			
11.40 – 12.00	Radical Options For Non-Thermal Drying <b>Every C</b>			
12.00 – 12.20	2020 to 2070 and beyond: Transitioning from Production to Post-Production Coal Ash Use Lund E, <b>Sifton J B</b> , Arato C			
12.20 – 12.30	<b>DISCUSSION</b>			
12.30 – 13.30	<b>EXHIBITION and LUNCH in the foyer of Dalhousie Building</b>			

# TIMETABLE

TUESDAY 11 JUNE AFTERNOON		
	<b>1, 2</b>	
Venue	<b>1</b> Dalhousie Building, Lecture Theatre 1 (3G02) / BIOMASS ASH	<b>2</b> Dalhousie, Lecture Theatre 2 (3G05) / USE IN LIGHTWEIGHT AGGREGATES
Chairperson	Hans-Joachim Feuerborn, Germany	Ioanna Papayianni, Greece
13.30 – 13.50	Biomass Ash and Options for Utilization: A European Perspective <b>Bech N</b> , Sarabèr A, Feuerborn H-J	Optimizing the Dosage of LECA and Fly Ash on Lightweight Concrete to Study the Performance of Steel - Concrete Composite Slab <b>Banu Priya R</b> , Arul Mary S
13.50 – 14.10	Biocoal Fly Ash: Fly Ash from Biomass and Coal Properties and Regulatory Aspects Sarabèr A, <b>Haanappel N</b>	Study on Structural Grade Lightweight Concrete and Composite Concrete Structure Design <b>Kalathingal A</b> , Desai P, Shaikh M T A
14.10 – 14.30	Application of Biomass Ashes in Construction Materials <b>van Dijen F</b>	Resistance of Non-Cement Binder to Freezing and Thawing Cycles <b>Šídlová M</b> , Škvára F, Pulcová K, Peterová A, Šulc R, Snop R
14.30 – 14.50	Mobility of Arsenic, Chromium and Copper Arising from Soil Application of Stabilised Aggregates Made from Contaminated Wood Ash Mitchell K, Moreno-Jimenez E, <b>Jones M R</b> , Zheng L, Trakal L, Hough R, Beesley L	Study on Utilization of Fly Ash in Production of Lightweight Aggregate Sambuunyam S, Pareek S, Danzandorj S, <b>Bat Erdene P-E</b> , Thombare R
14.50 – 15.00	<b>DISCUSSION</b>	
15.00 – 15.30	<b>EXHIBITION and TEA/COFFEE in the foyer of Dalhousie Building</b>	
Venue	<b>1</b> Dalhousie Building, Lecture Theatre 1 (3G02) / GROUND APPLICATIONS	<b>2</b> Dalhousie Building, Lecture Theatre 2 (3G05) / NATIONAL CASE STUDIES
Chairperson	Nicolai Bech, Denmark	Amith Kalathingal, India
15.30 – 15.50	Performance of Dry and Moist Calcareous Fly Ash in Soil Stabilization <b>Papayianni I</b> , Anastasiou E, Papachristoforou M, Kaplanidis C, Bairaklili P	Use of Fly Ash in Concrete: Current Indian Scenario and a Case Study on High Volume Fly Ash Concrete (HVFAC) for Shear Wall Construction in India <b>Kulkarni V R</b>
15.50 – 16.10	Mechanical Properties of Calcareous Fly Ash Stabilized Soil <b>Turan C</b> , Javadi A, Vinai R, Cuisinier O, Russo G, Consoli N C	Can Czech Stockpiled Fly Ash be Used in the Production of Concrete? <b>Peterová A</b> , Škvára F, Šídlová M, Šulc R, Sokolová K, Snop R
16.10 – 16.30	Use of Fly Ash as a Proppant in Clean Fracking of Unconventional Oil and Gas Wells <b>Robl T</b> , Oberlink A, Jewell R, Duvallet T, Ring L, Cook R L	Hydraulic Road Binders with High Content of Fly ash – Czech Experience <b>Kresta F</b>
16.30 – 16.50	Use of Calcareous Fly Ash in Grouting Slurry Walls in Underground Works Papayianni I, <b>Liapis A</b> , Anastasiou E	India as an Emerging Fly Ash Sourcing Hub <b>Dalal R</b>
16.50 – 17.00	<b>DISCUSSION</b>	
18.00 – 22.30	<b>Conference Dinner, Royal Research Ship DISCOVERY, Riverside Drive, Dundee</b>	

# TIMETABLE

		1	WEDNESDAY 12 JUNE MORNING
Venue	1	Dalhousie Building, Lecture Theatre 1 (3G02) / SPECIALIST APPLICATIONS	
Chairperson	Moray Newlands, UK		
09.00 – 09.20	Assessment of Durability of Alkali Activated Mortars Papayianni I, Konopisi S, <b>Kesikidou F</b>		
09.20 – 09.40	Effect of Cracks on Alkalinity Level of Concrete Structures Exposed to Carbon Dioxide Environmental Conditions <b>Al-Ameeri A</b> , Rafiq M I, Tsioulou O		
09.40 – 10.00	Designing Durable Concrete for Constructability of the World's Tallest Statue <b>Kandasami S</b> , Kannan L S, Umamaheshwaran V		
10.00 – 10.20	Requirements for Cement Powders, Ash and Alternative Encapsulants in the Nuclear Industry <b>Taylor F</b>		
10.20 – 10.30	<b>DISCUSSION</b>		
10.30 – 11.00	<b>EXHIBITION and TEA/COFFEE in the foyer of Dalhousie Building</b>		
Chairperson	Sivakumar Kandasami, India		
11.00 – 11.20	Combined Effect of Polymeric Fibres and Superabsorbent Polymers (SAPs) on the Autogenous Shrinkage and Mechanical Properties of Fly Ash Cementitious Mortars <b>Rostami R</b> , Klemm A J		
11.20 – 11.40	Utilization of Coal Combustion Products as a Ternary Binder in Shotcrete <b>Šmilauer V</b> , Sovják R, Pešková Š, Šulc R, Škvára F, Šídlová M, Snop R, Růžička P		
11.40 – 12.00	Examination of Particle Packing in Ternary Blends of Portland Cement, Fly Ash and Silica Fume <b>Dyer T D</b> , Csetenyi L J, Scobbie K		
12.00 – 12.20	Influence of Heat and Chemical Activation on Strength and Durability of High Strength High Volume Fly Ash Concrete <b>Nwaubani S</b> , Hlabangana M		
12.20 – 12.30	<b>DISCUSSION</b>		
12.30 – 14.00	<b>LUNCH and Close of Conference</b>		