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Monday > 25 sept 2017

8h00	REGISTRATION		
9h00	Opening Ceremony - Main Auditorium Carlos Martins - Portuguese State Secretary for the Environment Filipe Araújo - Councilman for Innovation and Environment, City Hall of Porto João Falcão e Cunha - Director of the Faculty of Engineering of the University of Porto Cândida Vilarinho - Chair of the Organizing Committee of Wastes 2017		
9h30	Plenary Session I - Main Auditorium Challenges in seeing and valuing waste Professor Steve Evans - University of Cambridge (UK) Chair: Lúgia Pinto		
	Room B027 - Chair: Joel Oliveira	Room B032 - Chair: José C. Teixeira	Main Auditorium - Chair: Raul Figueiro
	Session A1: Wastes as Construction Materials	Session B1: Waste as Fuels	Session C1: Circular Economy
10h15	Miranda, T. Improvement of a clayey soil with alkaline activation of wastes	Gonçalves, M. Pyrolysis of lipid wastes under different atmospheres: vacuum, nitrogen and methane	Moreira, F. Sustainability and circular economy through PBL: engineering students' perceptions
10h30	Rios, S. Alkali-activated cement using slags and fly ash	Ortigueira, J. Food waste-to-energy: potential for fermentative hydrogen production	Abreu, M. Lean-Green synergy awareness: a Portuguese survey
10h45	Ferdosian, I. Effect of pozzolanic industrial wastes on durability of engineered cementitious composites (ECC)	Costa, E. Acid esterification vs glycerolysis of acid oil soapstock for FFA reduction	Baptista, A. MAESTRI efficiency framework as a support tool for industrial symbiosis implementation
11h00	Dias-Ferreira, C. Recycling of MSWI fly ash in clay bricks – effect of washing and electrolytic treatment	Barbosa, F. Gasification of RDF from MSW - an overview	Rangel, B. Valorisation of different wastes: a sustainable approach in the design of new products

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11h15	Coffee break		
	Room B032 - Chair: Javier Escudero	Room B027 - Chair: Cristina Queda	Main Auditorium - Chair: Margarida Quina
	Session D1: Recycling of Wastes and Materials Recovery	Session E1: Environmental, Economic and Social Aspects in Waste Management	Session C2: Circular Economy
11h45	Sadeghi, S. Environmental-friendly strategies for recycling zinc efficiently from spent alkaline batteries	Góis, J. The influence of environmental awareness of population on the success of waste management plan in Angola	Moreira, F. A step forward on cleaner production: remanufacturing and interchangeability
12h00	Paiva, A. Recycling of platinum-group metals from spent catalysts: a short review on the liquid-liquid extraction of palladium	Safarik, I. Magnetically modified food and agricultural wastes as potential adsorbents for pollutants removal	Neto, I. Recycling of Ag, Al, Cu AND Pb from spent printed circuit boards - a contribution to the circular economy
12h15	Wegscheider, S. Process development for a combined treatment of EAFD and jarosite	Barreiros, A. Ship-generated waste management in port of Lisbon	Mota, A. The potential for production of 1st and 2nd generation bioplastics - the Portuguese case
12h30	Lunch		
14h00	Plenary Session II - Main Auditorium C&D Waste in Europe – Advances and challenges Professor Castorina Vieira - FEUP (Portugal) Chair: Maria de Lurdes Lopes		
	Main Auditorium - Chair: Fernanda Margarido	Room B013 - Chair: Fonseca e Almeida	Room B032 - Chair: André Ribeiro
	Session F1: Waste Treatment Technologies	Session G1: MSW Management	Session E2: Environmental, Economic and Social Aspects in Waste Management
14h45	Fabre, E. Mercury removal by agricultural wastes	Berardi, P. Portugal lacks refuse derived fuel production from municipal solid waste	Santos, T. Environmental impacts on the use of biomass fly ashes in horticultural plants fertigation

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15h00	Arim, A. Removal of Cr(III) from aqueous solutions by modified lignocellulosic waste	Dong, J. Co-effect of calcium oxide as in-situ catalyst on CO ₂ and HCL removal for high-quality syngas production during MSW gasification	Dvalishvili, N. Impact of alternative methods of disposal of municipal solid waste on climate change in Georgia
15h15	Pardo, M. Management of aqueous waste streams by anodic oxidation	Faria, T. Co-digestion of municipal solid waste, manure and chicken dung in Malta	Mina, I. Evaluation of plants' growth and rizhosphere microfauna of Sedum album, Armeria maritima AND Rosmarinus officinalis var. prostatus in green roofs' pilot systems with different substrates: effect of industrial wastes
15h30	Nogueiras, V. Heterogeneous electro-fenton process for the remediation of wastewater polluted with ionic liquids	Silva, E. Anaerobic digestion sludge composting - assessment of the star-up process	Rani, B. Hazards identification in waste collection systems. A case study
15h45	Martins, R. Technology transfer approach using membrane separation processes - potential applications on wine and cheese industries in an inner region of Portugal	Fernandes, M. Formulation of waste mixtures towards effective composting: a case study	Amant, V. Methodology for the assessment of non-hazardous waste treatment areas
16h00	Pinheiro, C. Efficiency of regeneration by solvent extraction for different types of waste oil	Campos, L. Garden waste quantification using home composting on a model garden	Fernando, A. Phytoremediation of soils contaminated with Lead by Arundo donax L
16h15	Coffee break		
	Main Auditorium - Chair: Ana Luisa Fernando	Room B013 - Chair: André Mota	Room B032 - Chair: Silvia Nebra
	Session F2: Waste Treatment Technologies	Session G2: MSW Management	Session E3: Environmental, Economic and Social Aspects in Waste Management
16h45	Bongiovani, M. PAC and tannin as coagulants in swine slaughterhouse wastewater treatment	Silva, E. Overview of one operation and control manual of anaerobic digesters	Delvasto, P. Leaching characteristics of co-bearing glasses obtained from spent Li-ion batteries

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17h00	Costa, F. Diethylketone and Cd pilot-scale biosorption by a biofilm supported on vermiculite	Carvalho, S. Going beyond 2020: development pathways for the Portuguese MSW management system post-2020	Lourenço, E. Outlining strategies to improve eco-efficiency and efficiency performance
17h15	Quinta-Ferreira, R. Biosolids production and COD removal in activated sludge and moving bed biofilm reactors	Moujanni, A. Effects of sanitary landfill leachate recirculation on biogas production and waste stabilization. A laboratory scale study	Oliveira, V. Separate collection of packaging waste: characterization and impacts
17h30	Bian, W. Effect of organic carbon on nitrification performance in a continuous MBBR at low temperature through ratio control		Henriques, B. Valorization of agroindustrial wastes as biosorbents for water treatment: a promising approach?
17h45	Poster Session - Exhibitions Hall		
20h00	Conference Dinner - Cellars of Ferreira		

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Plenary Session III - Main Auditorium			
By-products from metallurgical operations - An important secondary metal resource for Europe			
Professor Jurgen Antrekowitsch - University of Leoben (Austria)			
Chair: Fernando Castro			
9h30			
	Room B026 - Chair: Tiago Miranda	Main Auditorium - Chair: Eduardo Ferreira	Room B032 - Chair: Ana Andres
	Session A2: Wastes as Construction Materials	Session B2: Wastes as Fuels	Session D2: Recycling of Wastes and Materials Recovery
10h15	Vieira, C. Geotechnical characterization of recycled C&D wastes for use as trenches backfilling	Vonk, G. Performances and pollutants analyses of solid recovered fuel wood and wood air gasification in downdraft reactors	Bessa, J. Recovery of the polymer content of electrical cables for thermal and acoustic insulation
10h30	Petriaev, A. Construction wastes application for environmental protection	Solar, J. Transformation of biomass forestry waste in blast furnace green injectant	Chepushtanova, T. Processing of metallurgical wastes with obtaining iron oxides nanopowders
10h45	Kozelnik, P. Selected methods for the dredged bottom sediments management	Loubar, K. Truck tire pyrolysis optimization using the self-produced carbon black as a catalyst	Vieceli, N. Selective extraction of lithium from spent lithium-ion batteries
11h00	Khadra, B. Recycled synthetic waste fibres for the reinforcement of concrete	Guzman, D. Design of a laboratory scale circulating fluidized bed gasifier for residual biomass	Mamyrbayeva, K. Extraction of copper from dumps and tails of leaching by hydrochloric acid
11h15	Coffee break		
	Room B026 - Chair: Conceição Alvim	Main Auditorium - Chair: Margarida Gonçalves	Room B032 - Chair: Ana Segadães
	Session G3: MSW Management	Session B3: Wastes as fuels	Session D3: Recycling of Wastes and Materials Recovery
11h45	Carneiro, J. Mechanical damage of a nonwoven geotextile induced by recycled aggregates	Ribeiro, A. Effect of temperature in RDF pyrolysis	Tchikwala, E. Activated carbons from Angolan wood wastes for the adsorption of MCPA pesticide

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12h00	Miranda, S. Waste cooking oils: low-cost substrate for co-production of lipase and microbial lipids	Dias, D. Chars from co-gasification of rice wastes as Cr(III) removal agents	Lapa, N. Efficient activated carbons from chars of the co-pyrolysis of rice wastes
12h15	Dinç, G. Disposal of municipal solid waste by plasma gasification	Castro, C. Potential of exhausted olive pomace for gasification	Pereira, P. Damage induced by recycled C&D Wastes on the short-term tensile behaviour of a geogrid
12h30	Lunch		
	Room B032 - Chair: André Mota	Room B006 - Chair: Nuno Lapa	Main Auditorium - Chair: Joana Dias
	Session F3: Waste Treatment Technologies	Session B4: Wastes as Fuels	Session D4: Recycling of Wastes and Materials Recovery
14h30	Marques, I. Dairy cow effluent: enzymatic hydrolysis as pre-treatment of anaerobic digestion	Nebra, S. Energetic recovery of municipal solid waste scenario in São Paulo State, Brasil	Bessa, J. Recovery of wood dust in composite materials
14h45	Marques, I. Microalgae biomass: mechanical and thermal pre-treatment for anaerobic digestion	Laide, A. Waste to energy as a complementary energy source in Abuja, Nigeria	Rozumova, L. Modified biological sorbents from waste for removal of metal ions from water system
15h00	Diez, A. Optimization of pharmaceutical compound degradation under different advanced oxidation processes	Dursun, S. Removal of wastewater treatment sludge by incineration	Nunes, A. Olive pomace phenolics extraction: conventional vs emergent methodologies
15h15	Rafael, A. Pharmaceutical wastewater treatment with electroperoxicoagulation (EPC)	Dias, A. Double benefit biodiesel produced from waste frying oils and animal fats	Araújo, D. Suitability of agroindustrial residues for cellulose-based materials production
15h30	Leone, K. Production of a biolubricant base oil from soybean biodiesel and NPG using a new biocatalyst from rhizomucor miehei obtained from agroindustrial byproducts	Nunes, I. Biodiesel production using residual materials	Ayturan, Z. Solid waste recycling from industrial facilities in Turkey

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15h45	Tassoni, L. Possible uses of soybean hulls and their derivatives in wastewater treatment		
16h00	Coffee break		
	Main Auditorium - Chair: Jorge Araújo		Room B032 - Chair: André Ribeiro
	Session D5: Recycling of Wastes and Materials Recovery		Session E4: Environmental, Economic and Social Aspects in Waste Management
16h30	Ribeiro, L. Valorization of waste cellulosic materials to sorbitol by hydrolytic hydrogenation		Nobre, C. Industrial landfill leachate pretreatment using bottom ash from ceramic furnaces
16h45	Cerejeira, J. EEE fees and the WEEE system – a model of efficiency and income in European countries		Jorge, V. Physical-chemical pretreatment and phytoremediation of landfill leachate: an integrated approach
17h00	Gomes, J. Doped TiO ₂ catalysts and Ozone for parabens mixtures degradation		Carvalho, S. Pathways to decarbonisation of the cement industry: a life cycle assessment of co-processing
17h15	Closing Ceremony - Main Auditorium Luisa Magalhães - Executive Director of Smart Waste Portugal Maria de Lurdes Lopes - Chair of the Organizing Committee of Wastes 2017 Margarida Gonçalves - Chair of the Organizing Committee of Wastes 2019		