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11th World Congress and Expo on Recycling

June 13-14, 2019
Edinburgh, Scotland



SCIENTIFIC PROGRAM

DAY 1
Thursday, 13th June

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10	MEETING HALL 01	MEETING HALL 02
	Talks On: Solid Waste Management	**Talks On:** Agriculture Waste Recycling
	Paper Recycling	Recycling Market
	Municipal solid waste Recycling	Biodegradable waste Recycling
	Demolition waste Recycling	Organic Waste Recycling

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00	MEETING HALL 01	MEETING HALL 02
	Talks On: Waste Management Techniques	**Talks On:** Plastic recycling
	Waste Water Recycling	Physical recycling
	Commercial waste Recycling	Waste plastic pyrolysis to fuel oil
	Hazardous waste management	Chemical recycling

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Recycling conference	Workshop

DAY 2
Friday,14th June

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50	MEETING HALL 01	MEETING HALL 02
	Talks On: E-Waste Recycling And Management	**Talks On:** Home Waste Management
	Electronic waste (e-waste) Recycling	Recycling: Eco-Balance
	Radioactive waste	Food waste Recycling
	Hazardous waste	Household waste Recycling

12:50-13:35 LUNCH BREAK

13:35-15:55	MEETING HALL 01	MEETING HALL 02
	Talks On: Metal Recycling	**Talks On:** Chemical Waste Recycling
	Biomedical waste Recycling	Sewage Treatment
	Marine debris Recycling	Inorganic waste Recycling
	Mineral waste Recycling	Industrial waste treatment

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations for Recycling Conference	Workshop

Awards & Closing Ceremony

Edinburgh Attractions



















Glimpses of Recycling Conference 2018

















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1072nd Conference

Scientific Program

4th World Congress and Expo on

Recycling

July 27-29, 2017 Rome, Italy



UK: Conference Series llc LTD
47 Churchfield Road, London, W3 6AY

Day 1 July 27, 2017

08:00-08:30 Registrations

OLIMPICA 1

conferenceseries.com 08:30-09:00 **Opening Ceremony**

Keynote Forum

09:00-09:05 **Introduction**

09:05-09:35 **Title: PAYT (Pay-As-You-Throw) schemes – A key step for a circular economy and citizens involvement**

Roberto Cavallo, ERICA Soc. Coop., Italy

09:35-10:05 **Title: Is it possible to fully predict removal performances of a nanofiltration process by transport modeling?**

Déon Sébastien, Université de Bourgogne-Franche-Comté, France

10:05-10:35 **Title: Use of treated oil sand waste in cementitious materials for geotechnical applications**

M Hesham El Naggar, Western University, Canada

Group Photo & Networking and Refreshments Break 10:35-10:50 @ Foyer

10:50-11:20 **Title: Water treatments, needs and directions**

Semiat R, Technion - Israel Institute of Technology, Israel

Presentation on ITALIAN EXHIBITION GROUP SPA @ 11:20-11:45

Sessions: Industrial Waste Recycling | Waste Management Techniques | Waste Water Recycling | Rubber Recycling | Recycling Basics | Textile Recycling | Agricultural Waste Recycling

Session Chair: Déon Sébastien, Université de Bourgogne-Franche-Comté, France

Session Co-Chair: Kunio Yoshikawa, Tokyo Institute of Technology, Japan

Session Introduction

11:20-11:45 **Title: Recycling approaches of the aluminum dross to obtain useful products and to preserve raw material sources**

E David, National Institute for Cryogenic and Isotopic Technologies, Romania

11:45-12:10 **Title: Green hydrolysis conversion of wool wastes into organic nitrogen fertilisers**

Marina Zoccola, Institute for Macromolecular Studies, Italy

12:10-12:35 **Title: Photodegradation of levofloxacin antibiotic via graphene/TiO_2 and its reusability**

Pelin Alicanoglu, Pamukkale University, Turkey

12:35-13:00 **Title: Membrane-based dewatering processes using FO and MD for nitrogen recovery from wastewater**

Hyokwan Bae, Pusan National University, South Korea

Lunch Break 13:00-13:45 @ Hotel Restaurant

13:45-14:10 **Title: Full factorial design to removal of zinc (II) ions from water by using hydrogel microspheres**

Handan Akülker, Ondokuzmayıs University, Turkey

14:10-14:35 **Title: Direct landfill disposal versus Mechanical-Biological Treatment (MBT)**

Katarzyna Kulhawik, University in Poznań, Poland

14:35-15:00 **Title: Recent developments in management of energy plants' wastes**

Huseyin Koca, Anadolu University, Turkey

15:00-15:25 **Title: Development of an integrated strategy for reducing the carbon footprint in the industry sector**

Evangelia Karvela, Yiotis S A, Greece

Networking & Refreshments Break 15:25-15:40 @ Foyer

15:40-16:05	**Title: Membrane distillation for energy-efficient treatment (concentration) of electroplating liquids** **Judith Buchmaier,** AEE – Institute for Sustainable Technologies, Austria
16:05-16:30	**Title: Multimaterial laminated film recycling – PE-Al, PE-PA and PE-PET full material recovery without downcycling** **Szymon Wojciechowski,** Silesian University of Technology, Poland
16:30-16:55	**Title: Color removal from textile dyeing effluent by natural and activated clay adsorbents** **Handan Akülker,** Ondokuzmayıs University, Turkey
16:55-17:20	**Title: Banana (*Musa* sp.) Wastes as ruminant Feed** **Muhammad Rusdy,** Hasanuddin University, Indonesia
Panel Discussion	

Day 2 July 28, 2017

OLIMPICA 1

Keynote Forum

09:00-09:30	**Title: Solid fuel production from non-segregated municipal solid wastes employing the hydrothermal treatment** **Kunio Yoshikawa,** Tokyo Institute of Technology, Japan
09:30-10:00	**Title: Wastes recycling into fired clay bricks: A review** **Aeslina Abdul Kadir,** University Tun Hussein Onn Malaysia, Malaysia
10:00-10:30	**Title: Can a monopoly increase the welfare of its consumers?** **Doron Lavee,** Tel-Hai College, Israel
Networking & Refreshments Break 10:30-10:45 @ Foyer	

Sessions: Agricultural Waste Recycling | Circulatory Economy | E-waste Management | Metal and Plastic Recycling | Recycling Market | Thermal Waste Recovery

Session Chair: Muscolo Adele, Mediterranea University, Italy

Session Co-chair: Paola Marini, Politecnico di Torino, Italy

Session Introduction

10:45-11:10	**Title: Up-gradation of Matuail Solid Waste Disposal Site in Bangladesh to a Sanitary Landfill** **Md Abdul Jalil,** Bangladesh University of Engineering and Technology, Bangladesh
11:10-11:35	**Title: Comparison of composts obtained from olive pomace and vegetable residues as alternative to synthetic fertilizers** **Muscolo A,** Mediterranea University, Italy
11:35-12:00	**Title: Nitrogen flow on an organically managed beef farm in Hokkaido, Japan** **Masayuki Hojito,** Kitasato University, Japan
12:00-12:25	**Title: Recycling of valuable metal during supercritical water oxidation** **Youn-Woo Lee,** Seoul National University, South Korea
12:25-12:50	**Title: LMPE Srl, a recent reality in the implementation of circular economy in the industrial district of Capannori – Lucca (Italy)** **Lucía Pérez Amaro,** LMPE Srl, Italy
Lunch Break 12:50-13:35 @ Hotel Restaurant	
Poster Presentations 13:35-14:05 @ Foyer	
REC-01	**Title: Recyclability of polypropylene (PP) and polyethylene (PE) waste from the Hawaii coastline** **Diego Piazza,** University of Caxias do Sul, Brazil
REC-02	**Title: Oil based mud and drill cuttings (OBM) treatment and management at KOC** **Kholood Yousef,** Kuwait Oil Company, Kuwait
REC-03	**Title: Safe management strategies of nanowastes in South Korea** **Ji Hye Jo,** Korea Environment Institute, South Korea

REC-04	**Title: Analysis of the recyclability of polypropylene (PP) and polyethylene (PE) waste disposed at coastal ecosystems** **Diego Piazza,** University of Caxias do Sul, Brazil
REC-05	**Title: Degradation of PLA in a simulated marine environment after 600 days** **Diego Piazza,** University of Caxias do Sul, Brazil
REC-06	**Title: Valorization of rice and wool waste in the bio-building sector** **Marina Zoccola,** Institute for Macromolecular Studies, Italy
REC-07	**Title: Thermal treatment effect on silicone degradation under electrical stress** **N Rouha,** Université de Bejaia, Algeria
REC-08	**Title: Influence of aqueous conditions for electrolytic recovery of rare earth elements (REEs) from REE mine wastewater** **Sunjung Kim,** University of Ulsan, Korea
REC-09	**Title: Optimization of process for the production of glass-ceramic material recycled from steel industry slags and some waste** **Woo-Gwang Jung,** Kookmin University, Korea
REC-10	**Title: Analysis of zero energy effect through food waste recycling in residential on-site composting facility** **Kyounghee Lee,** Domyoung E&C, Korea
Sessions: Agricultural Waste Recycling | Circulatory Economy | E-waste Management | Metal and Plastic Recycling | Recycling Market | Thermal Waste Recovery	
	Session Introduction
14:05-14:30	**Title: Thermal treatment of flexible amorphous silicon photovoltaic modules** **Denise C R Espinosa,** University of São Paulo, Brazil
14:30-14:55	**Title: Impact of heavy metal pollution on *Procambarus clarkii* (*Crustacea: Decapoda*) from Egypt** **El Assal F M,** Cairo University, Egypt
14:55-15:20	**Title: Glass-crystalline membrane materials for helium and hydrogen capture based on fly ash cenospheres – A new trend in the utilization of coal power plant waste** **Alexandr G Anshits,** Siberian Branch of Russian Academy of Sciences, Russia
15:20-15:45	**Title: The recovery of the waste of the secondary glass (waste^3)** **Paola Marini,** Politecnico di Torino, Italy
15:45-16:10	**Title: Recovery of some merit organics from olive mill effluents and reuse of treated water** **Nefise Erdincmer,** Dokuz Eylul University, Turkey
	Networking & Refreshments Break 16:10-16:25 @ Foyer
16:25-16:50	**Title: Brass scrap recycling: Experimental research decomposition of Cu-Zn alloy** **Milorad Cirkovic,** Mining and Metallurgy Institute Bor, Serbia
16:50-17:15	**Title: Thermal plasma extractive metallurgy: a proof of concept** **Jonathan S Cramer,** Fondation ParisTech, France
17:15-17:40	**Title: Investigation of biogas generation from the waste of a vegetable and cattle market of Bangladesh** **Md Abdul Jalil,** Bangladesh University of Engineering and Technology, Bangladesh
17:40-18:05	**Title: Transition and quality control of wastewater uses recycled in Algeria** **Saliha Zerdoum,** Environnement Développement Durable, Algeria
18:05-18:30	**Title: New approach for adsorptive removal of oil in wastewater using textile fiber as alternative adsorbent** **M Sulyman,** Gdansk University of Technology, Poland
Day 3 July 29, 2017	
	Networking & Lunch 12:30-13:30 @ Hotel Restaurant

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2nd World Congress and Expo on

Recycling

July 25-27, 2016 Berlin, Germany

Scientific Program



UK: Conference Series llc LTD
47 Churchfield Road, London, W3 6AY

Day 1 July 25, 2016

08:00-08:45 Registrations

Experience I+ II

conferenceseries.com 08:45-09:10 **Opening Ceremony**

Keynote Forum

09:10-09:20	Introduction
09:20-09:50	Title: Carbon-enhanced manufacturing supporting recycling of CO_2 **Dominik Rohrmus**, Siemens AG, Germany
09:50-10:20	Title: RAC-PP- Recycled aggregates for concrete: Progress and Problems **Enric Vazquez Ramonich**, Universitat Politecnica de Catalunya, Spain
10:20-10:50	Title: Recycling of wastes in traditional ceramic manufacturing **F Andreola**, University of Modena and Reggio Emilia, Italy
	Networking & Refreshments 10:50-11:05 @ Main Lobby
11:05-11:35	Title: Case studies of recycled materials in pavements and footpaths **Arul Arulrajah**, Swinburne University of Technology, Australia

Presentation on PROMETIA @ 11:35-11:50

Session 1: Industrial Waste Recycling | Waste Management Techniques | E-Waste Recycling and Management

Session Chair: Nour-Eddine Menad, BRGM, France

Session Co-Chair: Enric Vazquez Ramonich, Universitat Politecnica de Catalunya, Spain

Session Introduction

11:50-12:10	Title: WEEE-ReStraM - Recycling of strategic metals from wastes of electric and electronic equipments **Nour-Eddine Menad**, BRGM, France
12:10-12:30	Title: Nanofiltration for removing toxicity of industrial waste waters **Sébastien Déon**, Université de Bourgogne Franche-Comté, France
12:30-12:50	Title: Obtaining of selective porous materials from recycling of industrial waste coal fly ash for applications in environmental protection **E David**, National Institute for Cryogenic and Isotopic Technologies, Romania
12:50-13:10	Title: A nearly closed environmental friendly process for recovering metals with high yield and purity from spent hydrodesulphurization catalysts **Helena Maria Vieira Monteiro Soares**, University of Porto, Portugal

Group Photo

Lunch Break 13:10-13:50 @ Element I+II Restaurant

13:50-14:10	Title: Utilization of recycled polyurethane foam and ground tire rubber for asphalt modifications: Basic and rheological properties **M Sulyman**, Gdansk University of Technology, Poland
14:10-14:30	Title: A study on the MSWI fly ash modifying for inorganic gel of cement admixtures **Sue-Huai Gau**, Tamkang University, Taiwan
14:30-14:50	Title: Recycling of municipal incinerator fly ash by electric arc furnaces of steel mini mills **Gordon C C Yang**, National Sun Yat-Sen University, Taiwan
14:50-15:10	Title: Re-use of polypropylene fiber admixed recycled aggregates in concrete **Ilker Bekir Topcu**, Eskisehir Osmangazi University, Turkey
15:10-15:30	Title: Recovery of zinc from EAF dust by hydrometallurgical route with sulphuric acid as leachant **Kamalesh K Singh**, Banaras Hindu University, India

Networking & Refreshments 15:30-15:45 @ Main Lobby

15:45-16:05	Title: Coal ash as an efficient chemical fixation reagent and scrubber for toxic chemical wastes and its incorporation in industrial concrete for civil engineering projects **Haim Cohen**, University of Ariel, Israel
16:05-16:25	Title: Abrasion and water absorption properties of polypropylene fibre-reinforced recycle aggregated concrete **Hasan Baylavli**, Hitit University, Turkey

16:25-16:45 **Title: Recycling approaches of waste cathode ray-tube in China**
Fu-Shen Zhang, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China

16:45-17:05 **Title: Evaluation of lipid productivity by *Rhodosporidium toruloides* under non-sterile condition from a mixture of distillery and domestic wastewaters**
Hojae Shim, University of Macau, China

17:05-17:25 **Title: Life cycle assessment of the pyrometallaurgical and hydrometallurgical recycling routes used in rare earth recycling: A case study of NdFeB magnets**
Gwendolyn Bailey, KU Leuven, Belgium

17:25-17:45 **Title: Selecting water balance covers as landfill final covers**
Preecha Apiwantragoon, Chulachomklao Royal Military Academy, Thailand

Panel Discussion

Day 2 July 26, 2016

Experience I+ II

Keynote Forum

09:00-09:30 **Title: Recycle nutrients today for a better tomorrow**
Sirpa Kurppa, Natural Resources Institute Finland, Finland

09:30-10:00 **Title: Food waste collection and recycling for renewable biogas fuel production in Hong Kong**
Irene M C LO, The Hong Kong University of Science and Technology, China

10:00-10:30 **Title: From waste CRT glasses to foam glass: A case study to re-use electric and electronic end of life materials**
François O Méar, Lille North of France University, France

Networking & Refreshments 10:30-10:45 @ Main Lobby

10:45-11:05 **Title: Recycling of carbon fibre: Re-use and Re-manufacture**
Gary Leeke, Cranfield University, UK

Special Session on: Recycling system and technologies towards circulatory economy

Session Chair: Takashi Nakamura, Tohoku University, Japan

Session Introduction

11:05-11:30 **Title: Recycling of critical metals for circulatory economy in Japan**
Takashi Nakamura, Tohoku University, Japan

11:30-11:55 **Title: Novel metal recycling process by applying intelligent comminution and sorting**
Shuji Owada, Waseda University, Japan

11:55-12:20 **Title: Physical concentration of tantalum from WEEEs**
Chiharu Tokoro, Waseda University, Japan

12:20-12:45 **Title: Overall optimizing of automobile recycling system in Japan**
Kotaro Shimizu, Mitsubishi UFJ Research and Consulting Co., Ltd., Japan

Session 2: Recycling Basics | Solid Waste Management | Waste Water Recycling | Agricultural Waste Recycling

Session Chair: Hesham Ali, Florida International University, USA

Session Co-Chair: Muscolo A, Mediterranea University, Italy

Session Introduction

12:45-13:05 **Title: Bioelectrochemical systems for treatment of liquid effluents**
Antonio Moran, University of Leon, Spain

13:05-13:25 **Title: Recalcitrant agriculture waste to produce biogas and amendments**
Muscolo A, Mediterranea University, Italy

13:25-13:45 **Title: Evaluation of cracking resistance and durability of 100% reclaimed asphalt pavement mixtures**
Hesham Ali, Florida International University, USA

Lunch Break 13:45-14:25 @ Element I+II Restaurant

14:25-14:45 **Title: Enhanced bio-sulfur recovery with high carbon to nitrogen ratios under micro-aerobic condition using denitrifying sulfide removal process**
Chuan Chen, Harbin Institute of Technology, China

14:45-15:05 **Title: Pretreatments of lignocellulosic wastes for producing value added products**
Jin Hyung Lee, Korea Institute of Ceramic Engineering and Technology, South Korea

15:05:15:25 **Title: Use of the SWB-Sci model for nitrogen management in sludge-amended land**
Eyob Habte Tesfamariam, University of Pretoria, Republic of South Africa

15:25-15:45 **Title: Thermochemical recycling of municipal solid waste**
Juma Haydary, Slovak University of Technology, Slovakia

Networking & Refreshments+ Poster Presentations @ 15:45-16:20

REC 01	**Title: Recycling of carbon fines from Tuncbilek power plant coal combustion wastes** **H Koca,** Anadolu University, Turkey
REC 02	**Title: The role of labeling of chemical substances contents in recycling promotion - Japanese case** **Mizue Kama,** Tohoku University, Japan
REC 03	**Title: Recovery of tungsten and vanadium from a spent NH3-SCR catalyst by NaOH leaching and ion exchange processes** **Chi-Lang Chen,** China Steel Corporation, Taiwan
REC 04	**Title: Evaluation of low heating value and moisture of solid refuse fuels in Korea** **Sohee Park,** Korea Environment Corporation, Korea
REC 05	**Title: From the MSW management to the Environmental awareness and from the Organic Fraction (OFMSW) to the Compost quality** **Guillermo Solar Olivares,** Universitat de Barcelona, Spain
REC 06	**Title: Co-pyrolysis of lignite and pistachiou seed in a well-swept fixed bed reactor** **O Onay,** Anadolu University, Turkey
REC 07	**Title: WEEE and recycling processes for the recovery of critical raw materials: A perspective on Germany** **Nicolas Sarmiento Sierra,** Rhein Waal University of Applied Science, Germany
REC 08	**Title: Composite material; use and appreciation of pine bark waste from sawmills and recycled plastic from the region Northern Sierra at Oaxaca, Mexico** **Nubia Luna Rueda,** National Autonomous University of Mexico, Mexico
REC 09	**Title: Study of the mechanical behavior of synthesized elastomers from depolymerization of polyurethane foams wastes** **Cristina Agurrrie,** National Polytechnic School, Ecuador
REC 10	**Title: X-ray spectroscopic study and chemical fractionation of Pb(II) compounds in soil under contamination conditions** **Victoria Tsitsuashvili,** Southern Federal University, Rostov-on-Don, Russia
REC 11	**Title: The statistical status Quo of Beijing's recyclable resources and countermeasures for establishing statistical system** **Tinting Liu,** Beijing University of Technology, China
REC 12	**Title: Application of zero food waste system to residential complex** **Daeseung Kyung,** Korea Land & Housing Corporation, South Korea
16:20-16:40	**Title: Innovative zero liquid discharge based effluent treatment system for API industry clusters in India.** **Gopu Venugopala Reddy,**Team Labs and Consultants, India
16:40-17:00	**Title: Electroflotation process for the wastewater recycling** **Ben Mansour,** University of Sfax, Tunisia
17:00-17:20	**Title: Use of greywater in production of mortar and concrete** **Ayoup M Ghrair,** Royal Scientific Society, Jordan
17:20-17:40	**Title: On the valorization of agro resource of Tizi Ouzou: Extraction for pectin from melon rinds and their application** **Benahmed Djilali Adiba,** University of Mouloud Mammeri of Tizi Ouzou, Algeria

Panel Discussion

Day 3 July 27, 2016

Experience I+ II

Keynote Forum

09:00-09:30	**Title: Smart cities and waste innovation** **Graeme Evans,** Middlesex University School of Art & Design, UK
09:30-10:00	**Title: Thermal waste recovery and heat energy transportation over long distance** **Lingai Luo,** French National Center for Scientific Research, France
10:00-10:30	**Title: How are wastes entirely avoided in solid-state productions?** **Gerd Kaupp,** University of Oldenburg, Germany

Session 3: Food Waste Recycling | Metal and Plastic Waste Recycling | Rubber Recycling | Textile Recycling

Session Chair: Andreas Krause, University Hamburg, Germany

Session Co-Chair: Lingai Luo, French National Center for Scientific Research, France

Session Introduction

10:30-10:50	**Title: Performance of virgin and recycled natural fibers for technical nonwoven applications** **Patricia I Dolez,** Groupe CTT, Canada
10:50-11:10	**Title: Extending the life cycle – novel wood-plastic composites as potential applications for post-consumer wood and plastics** **Andreas Krause,** University Hamburg, Germany
	Networking & Refreshments 11:10-11:25 @ Main Lobby
11:25-11:45	**Title: Ionic liquids as effective carriers of precious metal ions in membrane processes from leach liquors of metal waste** **Beata Pospiech,** Czestochowa University of Technology, Poland
11:45-12:05	**Title: Recycling of steelmaking dusts through dissolution and electrowinning in deep eutectic solvents** **Ashraf Bakkar,** Institut für Materialprüfung und Werkstofftechnik Dr. Neubert GmbH, Germany
12:05-12:25	**Title: Nano-Copper recycled from waste printed circuit boards by electrolysis** **Mengjun Chen,** Southwest University of Science and Technology, Sichuan
12:25-12:45	**Title: Effects of hydraulic retention time, sewage temperature and effluent recycling on efficiency of up-flow anaerobic filter reactor in treating rural domestic sewage** **John Leju Celestino Ladu,** Southeast University, China
12:45-13:05	**Title: MSP-REFRAM - improving the valorization of the refractory metal resources in Europe** **Stephane Bourg,** CEA/DEN/MAR/DRCP, France
13:05-13:25	**Title: Development of zero food waste system** **Daeseung Kyung,** Korea Land & Housing Corporation, South Korea
	Lunch Break 13:25-14:05 @ Element I+II Restaurant
	Young Researchers Forum
14:05-14:20	**Title: The recycling of air pollution control residue into geopolymers via plasma arc technology** **Peter Keeley,** University of Birmingham, UK
14:20-14:35	**Title: Identifying the gap in fluorocarbons treatment from waste electrical and electronic equipment (WEEE) in Southeast Asia** **Atsushi Santo,** Institute for Global Environmental Strategies, Japan
14:35-14:50	**Title: Preparation of hydrophobic nonwoven using recycled jute fibre and a titanium dioxide/fatty acid coating** **Mohamed Ameur Arfaoui,** CTT Group, Canada
14:50-15:05	**Title: Recycling of copper and aluminium with high purity from end life printed circuit boards** **Isabel F F Neto,** Universidade do Porto, Portugal
15:05-15:20	**Title: Zn recovery from spent alkaline batteries using an environmental friendly approach** **S Maryam Sadeghi,** Universidade do Porto, Portugal
15:20-15:35	**Title: New method for extraction of benzo[a]pyrene from industrial polluted soil** **Alina Gimp,** Southern Federal University, Russia
15:35-15:50	**Title: Closing the life cycle of waste fiber reinforced polymer composites by converting it into valuable products** **Huya Ucar Sokoli,** Aalborg University Esbjerg, Denmark
15:50-16:05	**Title: Performance assessment of a biogas powered gas engine in a wastewater treatment plant** **Atakan Tantekin,** Adana Science and Technology University, Turkey
16:05-16:20	**Title: The deficiency of solid waste management in Kawempe vicinity** **Aijuka Nicholas,** Makerere University Kampala, Uganda
	Panel Discussion & Certificate Distribution
	Award Ceremony

Bookmark your dates

4th World Congress and Expo on

Recycling

July 3-5, 2017 Barcelona, Spain

e-mail: recyclingexpo@conferenceseries.net; recyclingexpo@omicsgroup.com; recyclingexpo@conferenceseries.com
Website: recycling.omicsgroup.com

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Scientific Program

286th OMICS International Conference

World Congress and Expo on

Recycling

July 20-22, 2015 Barcelona, Spain



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Day 1 July 20, 2015

09:00-09:30 Registrations

EBRE

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09:30-09:55 **Opening Ceremony**

Keynote Forum

09:55-10:00 **Introduction**

10:00-10:25 **M A Martin-Luengo**
Spanish National Research Council (CSIC), Spain

10:25-10:50 **Paul T Mativenga**
The University of Manchester, United Kingdom

Coffee Break: 10:50-11:10 @ Colon + Hall-1

Track 1: Recycling Basics
Track 5: E- Waste Recycling and management

Session Chair: Jorge Castilla Gomez, Technical University of Madrid, Spain

Session Co-Chair: Arvind Jayant, Sant Longowal Institute of Engineering & Technology, India

Session Introduction

11:10-11:35 **Recoverable and recyclable catalysts for sustainable chemical processes**
Anna Chrobok, Silesian University of Technology, Poland

11:35-12:00 **Supercritical fluids based technologies for recycling**
Cyril Aymonier, Chemistry Institute of Condensed Matter of Bordeaux (ICMCB-CNRS), France

12:00-12:25 **Urban mining: The way to reach a real sustainability**
Jorge Castilla Gomez,Technical University of Madrid, Spain

Group Photo

Lunch Break: 12:25-13:10 @ Colon + Hall-1

13:10-13:35 **Gypsum to Gypsum (GtoG): The European life project that aims to transform the gypsum waste market**
Ana de Guzman Baez, University of Madrid, Spain

13:35-14:00 **Cost reduction for biodiesel production from distillery/domestic mixed wastewater by Rhodosporidium toruloide**
Hojae Shim, University of Macau, China

14:00-14:25 **Enhanced removal of BTEX/TCE/cis-DCE mixture using waste scrap tires immobilized with indigenous Pseudomonas sp.**
Renata Alves de Toledo, University of Macau, China

14:25-14:50 **Tar-containing reclaimed asphalt–environmental assessments for two treatment scenarios (incineration versus recycling)"**
Janez Turk, Slovenian National Building and Civil Engineering Institute, Slovenia

14:50-15:15 **Innovation in municipal waste collection systems**
Frederik De Pesseroey, Business Consultant for Waste Management, Belgium

15:15-15:40 **Selective leaching of rare earth elements from NdFeB powders via alkaline treatment and thermal oxidation**
Kyeong Woo Chung, Korea Institute of Geoscience and Mineral Resources, Korea

Cofee break: 15:40-16:00 @ Colon + Hall-1

16:00-16:25 **Evaluation of EOL/used cell phones management & disposal alternatives: An ANP and balanced scorecard approach**
Arvind Jayant, Sant Longowal Institute of Engineering & Technology, India

16:25-16:50 **Occupational exposure to E-Waste and risk of cancer development: Evidence from south-South Nigeria**
Igharo O G, University of Ibadan, Nigeria

16:50-17:15 **Assessment of ecological impact of blast oxygen furnace slag used as a fill material on the surrounding environments**

Kyoungphile Nam, Seoul National University, South Korea

17:15-17:20 **Panel Discussion**

Day 2 July 21, 2015

09:00-09:30 **Registrations**

EBRE

Keynote Forum

09:00:09:25 **Jonathan W C Wong**
Hong Kong Baptist University, China

09:25-09:50 **Takashi Nakamura**
Tohoku University, Japan

Track 7:Metal waste and plastic recycling
Track 8:Industrial waste recycling
Track 11:Food waste recycling
Track 13:Recycling of Glass, Paper, Wood, Textile and Building materials

Session Chair: Jonathan W C Wong, Hong Kong Baptist University, China

Session Co-Chair: Takashi Nakamura, Tohoku University, Japan

Session Introduction

09:50-10:15 **Material flow analysis and recycling system of mercury-containing fluorescent lamps in Korea**

Yong-Chul Jang, Chungnam National University, South Korea

10:15-10:40 **Production of bio-diesel from used groundnut oil from bosso market, Minna, Niger state, Nigeria**

Alabadan B A, Federal University, Nigeria

10:40-11:05 **Cellulose aerogels from paper waste for oil spill cleaning and heat insulation of buildings**

Hai M Duong, National University of Singapore, Singapore

Coffee Break: 11:05-11:25 @ Colon + Hall-1

11:25-11:50 **E-BABE-Recycling leather wastes in carton industry**

Ola A Mohamed, National Research Centre, Egypt

11:50-12:15 **Potential valorizations of artificial gypsum generated in the manufacture of titanium dioxide pigments**

S M Perez-Moreno, University of Huelva, Spain

12:15-12:40 **Post cracking behaviour of polymer concrete prepared using resin obtained from post consumer pet bottles**

Roy Nir Lieberman, Consejo Superior de Investigaciones Científicas (CSIC), Barcelona, Spain

12:40-13:05 **Evaluation of the ppm-h concept for end-of-life RO membrane into recycled NF and UF membranes**

Raquel Garcia Pacheco, IMDEA Water Institute, Spain

Panel Discussion

Lunch Break: 13:05-13:50 @ Colon + Hall-1

14:25-15:25 **Poster presentations**

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09:00-09:30 **Registrations**

Track 6: Waste water recycling
Track 9: Environmental impact of Recycling
Track 10: Agriculture waste recycling

Session Chair: M A Martin-Luengo, Spanish National Research Council (CSIC), Spain

Session Co-Chair: Muscolo Adele, Mediterranea University, Italy

09:30-09:55 **Integral utilization of lignocellulosic materials; residues of the agriculture and agri-food industry**

Alejandro Rodríguez Pascual, Chemical Engineering Department, University of Córdoba, Córdoba, Spain

09:55-10:20	**Using agriculture waste and/or sulfur obtained from the residues of the desulfurization of natural gas and oil as fertilizer for productive purposes** **Muscolo Adele,** Mediterranea University, Italy
10:20-10:45	**Comparative study of enzymatic and chemical denaturation of wheat gluten and their cellulosic nanocomposites** **Nahla A El-Wakil,** National Research Centre, Egypt
	Coffee Break: 10:45-11:05 @ Colon + Hall-1
11:05-11:30	**Onion waste recycling to produce the value added by-products** **Hyeun-Jong Bae,** Chonnam National University, South Korea
11:30-11:55	**Sustainable water reuse. The case of rural areas and small settlements** **Isabel Martín,** Foundation Center for New Water Technologies (CENTA), Spain
11:55-12:20	**Novel functional materials created by mimicking Fe oxidizing bacterium-involved formation processes of iron oxides complex** Hitoshi Kunoh, Okayama University, Japan
12:20-12:45	**Recycling wastewater yields multiple benefits** **Birguy Lamizana-Diallo,** UNEP-GPA, Kenya
	Lunch Break: 12:45-13:30 @ Colon + Hall-1
	Poster presentations
	Melt decontamination for recycle and reuse of radioactively contaminated decommissioning metal waste **Byung Youn Min,** Korea Atomic Energy Research Institute, South Korea
	Upcycle of municipal waste as high performing components for elderly housing: A new strategy for building in ageing society **Fabrizio Cumo,** University of Rome, Italy
	Recovery of valuable metals from waste printed circuit boards **Joonchul Choi,** ER Metal Co. Ltd., Korea
	Model of environmentally sustainable benchmarking **María Carmen CarneroMoya,** University of Castilla-La Mancha, Spain
	Best practice in environmental maintenance **María Carmen CarneroMoya,** University of Castilla-La Mancha, Spain
	Recyclable ionic liquids as catalysts for fine chemical production **Karolina Matuszek,** Silesian University of Technology, Poland
	Extraction of rhenium from PWA 1484 superalloy scrap using electrogenerated chlorine leaching in acid solutions **Min Seuk Kim,** Korea Institute of Geoscience and Mineral Resources, Korea
	Experimental study on reusing ornamental rock waste for the production of structural concrete **Romeu E Silva Neto,** Fluminense Federal Institute, Brazil
	Chromium VI analysis method and heavy metal concentration of Portland cement in South Korea **Tae-Wan Jeon,** National Institute of Environmental Research, Republic of Korea
	CRT Tile – Utilization of waste glass from cathode ray tubes **Otto Andersen,** Western Norway Research Institute, Norway
	Recovery of indium from waste liquid crystal display (LCD) panels **Kyung-Soo Park,** Institute for Advanced Engineering, Korea
	Title:Organizing the disposal of electronic waste in Ukraine **Salomatina Lilia,** National Academy of Sciences of Ukraine, Ukraine
	Closing Ceremony