

Joint Conference

Proceedings of

6th International Conference on

Recycling: Reduce Reuse & Recycle

November 06-08, 2017 | Las Vegas, USA



Conferenceseries LLC - America

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Opening Ceremony

- 09:30-10:00** Title: **Conversion of landfill gas to drop-in renewable liquid**
Babu Joseph, University of South Florida, USA
- 10:00-10:30** Title: **A systemic approach to cybersecurity**
Erfan Ibrahim, NREL, USA
- 10:30-11:00** Title: **FastOx gasification: An integrated solution to zero waste**
Mike G Hart, Sierra Energy, USA

Group Photo & Networking & Refreshment Break 11:00-11:20 @ Foyer

Sessions: Renewable Energy | Bioenergy | Biofuels | Green Technology | Energy and Environment | Biomass | Materials for Energy and Environmental Sustainability | Energy storage & conservation

Session Chair: Babu Joseph, University of South Florida, USA

Session Co-chair: Rajesh Karki, University of Saskatchewan, Canada

Session Introduction

11:20-11:40	Title: Architecture and technology: Opportunities and challenges for zero emission buildings Benjamin Welle, Perkins+Will, USA
11:40-12:00	Title: Perceptions and preferences about energy and environmental Costs: The case of Montreal transport users Omid M Rouhani, McGill University, Canada
12:00-12:20	Title: Palm oil extraction revolutionary technology José Marques, IncBio, Portugal
12:20-12:40	Title: Energy storage for renewable energy implementation (trend and future expectation of energy storage) Andrew Kwon, Destin Power Co, Korea
12:40-13:00	Title: Human evolution vs extinction Gianna J Link, Cornell University Medical College, USA

Panel Discussion

Lunch Break 13:00-13:40 @ Renaissance III

13:40-14:00	Title: Japanese challenge of introducing renewable energies: Policy, economics, technology and reaction of existing electric power companies Akihiro Kogure, LTR Partners, Japan
14:00-14:20	Title: The present and future of renewable energy in New York and the United States August Donat Wojtkiewicz, LeoVera, USA
14:20-14:40	Title: Energy: You don't know what you've got 'till it's gone? Derek Quinn, Why Energy LLC, USA
14:40-15:00	Title: Economic impacts of producing renewable aviation fuel from cover crops: A case study using pennycress as the feedstock Burton C English, University of Tennessee, USA
15:00-15:20	Title: Renewable energy and energy efficiency: Lessons for US from Europe Eshagh Yazdnhshenas, Global Engineering Solutions, USA
15:20-15:40	Title: Reliability implications of diversifying wind power resources Rajesh Karki, University of Saskatchewan, Canada
15:40-16:00	Title: Contemporary development and sustainability indicators at the Royal Commission of Yanbu Ayedh Ahmed Al-Shehai, Royal commission of Ynabu, Saudi Arabia

Panel Discussion

Networking & Refreshment Break 16:00-16:20 @ Foyer

16:20-16:40	Title: Revolutionary battery regeneration technology Young-Joon Yu, Repowertek Inc., Korea
16:40-17:00	Title: Plantain-based integrated bio refinery Ogunsuyi Helen, Federal University of Technology, Nigeria
17:00-17:20	Title: Expression of enzymes in E. coli to produce biofuels Gupta M, Rensselaer Polytechnic Institute, USA
17:20-17:40	Title: Energy technology assessment and prioritization integrated AHP and TOPSIS approach: In case of low oil prices and present nuclear power plant Seongokn Lee, Korea Institute of Energy Research, Korea
17:40-18:00	Title: Modeling and advanced control of fully coupled wave energy converters subject to constraints: The wave-to-wire approach Liguo Wang, Uppsala University, Sweden

Panel Discussion

Keynote Forum

09:00-09:30	Registrations
09:30-10:00	Title: Green economy? from smart-city business battle view in Asia Hisakazu Okamura , Asia University, Japan
10:00-10:30	Title: Bringing energy-efficient building solutions to the North American and Asian markets Merritt T Cooke , China Partnership of Greater Philadelphia, USA
10:30-11:00	Title: Plastics recycling opportunities and challenges in India: Waste to wealth and "5rs" in plastics recycling Ginu Joseph , Modern Plastics India, India

Networking & Refreshment Break 11:00-11:20 @ Foyer

Sessions:

Sustainable Energy Policies | Recycling | Green Economy | Smart Grid | Waste Management | Recycling Solid Waste | Recycling Organic Waste Recycling | E- Waste Recycling | Waste Water Recycling | Plastic Recycling

Session Chair: **Burton C English**, University of Tennessee, USASession Co-chair: **Ginu Joseph**, Modern Plastics India, India

Session Introduction

11:20-11:40	Title: The cooling technologies for effective performance of brushless direct current motor Jae Hun Choi , Changwon National University, Korea
11:40-12:00	Title: Sustainability can be profitable and profitability can be sustainable: Converting trash into valuable recyclable commodities Stephen W Brooks , Federal Law Enforcement Training Centers, USA
12:00-12:20	Title: Selective separation of hazardous chlorinated plastic by combined treatment of hydrogen peroxide and ultrasonic irrigation Byeong-Kyu Lee , University of Ulsan, Korea
12:20-12:40	Title: Development of high strength geopolymer mortar using industrial and agro waste Manish Mudgal , CSIR-Advanced Materials and Processes Research Institute, India
12:40-13:00	Title: Integrated environmental impact assessment of industrial pollutants using TRACI Indira Parajuli , Incheon National University, Korea

Panel Discussion

Lunch Break 13:00-14:00 @ Renaissance III

Young Researchers Forum

YRF Judge: **Burton C English**, University of Tennessee, USA

14:00-14:20	Title: A crowd financing approach to street lighting upgrades Mayank Saraswat , University of Delaware, USA
14:20-14:40	Title: Alkaline surfactant enhanced oil recovery with special emphasis on chemical adsorption onto the porous media Joyshree Barman , Dibrugarh University, India
14:40-15:00	Title: Fischer-Tropsch synthesis of biomass-originated fuels: Reaching the ideal performance in production of high-quality bio-diesel Nima Moazami , University of Birmingham, UK
15:00-15:20	Title: Solar impacts on the sustainability of economic growth Faraz Farhidi , Georgia State University, USA
15:20-15:40	Title: Solar photovoltaic (PV) system with battery backup for a residential building in Saudi Arabia Belqasem Aljafari , Northern Illinois University Scholl of Engineering, USA
15:40-16:00	Title: Effect of soil types on nitrogen cycling and electricity production from microbial fuel cells with dried leaves Sri Shalini Sathyanarayanan , McGill University, Canada

Panel Discussion

Networking & Refreshment Break 16:00-16:20 @ Foyer

16:20-16:40	Title: Courtyard as a passive cooling strategy for sustainable low-energy housing in hot-arid climates: A case study on Phoenix, Arizona Farzaneh Soflaei , Morgan State University, USA
16:40-17:00	Title: Moving towards zero waste in South Asian cities Bedoshruti Sadhukhan , ICLEI, South Asia, India
17:00-17:20	Title: Recycling paddy husk for improving plant growth yield and disease resistance Ruwani Kalpana Jayawardana , Rubber Research Institute, Sri Lanka

17:20-17:40	Title: Climate change impacts on Bali myna (<i>Leucopsar rothschildi</i>) during the last decade (case study: West Bali National Park) Jean Jacques Fanina, Sebelas Maret University, Indonesia
17:40-18:00	Title: Processing of waste PET-G foil using extrusion method Kamil Dydek, Warsaw University of Technology, Poland

Day 3 November 08, 2017

Conference Hall - Copa Room A

Keynote Forum

09:00-09:30	Title: Onsite generation of electricity from discharged urine in high-rise residential buildings Ann T W Yu, The Hong Kong Polytechnic University, China
09:30-10:00	Title: Energy materials from City of Cape Town municipal solid wastes – An overview and assessment Daniel Ikhu-Omoregbe, Cape Peninsula University of Technology, South Africa

Sessions:

Chemical Waste Recycling | Plastic Recycling | Nano Environmental Technologie | Bioremediation | Entrepreneurs Investment Meet

Session Chair: Hisakazu Okamura, Asia University, Japan

Session Co-chair: Daniel Ikhu-Omoregbe, Cape Peninsula University of Technology, South Africa

Session Introduction

10:00-10:20	Title: PAdeCS[®], a new type of material derived from concrete sludge and its applications to pollution prevention processes Akihiro Yamasaki, Seikei University, Japan
10:20-10:40	Title: Emissions of VOCs from polymers during their life cycle and risks for use and recycle Miyuki Noguchi, Seikei University, Japan
10:40-11:00	Title: Inertization, immobilization, and safe disposal of incineration residues Anil Mehrotra, Old Dominion University, USA

Panel Discussion

Networking & Refreshment Break 11:00-11:20 @ Foyer

11:20-11:40	Title: Water quality assessment of inorganic pollutants of some rivers and streams in Abeokuta metropolis Oseni O A, Moshood Abiola Polytechnic, Nigeria
11:40-12:00	Title: Effect of heavy metals on antioxidant activities on the growth and yield of potato irrigated with tannery effluent Sheza Ayaz Khilji, University of Punjab, Pakistan
12:00-12:20	Title: Recycling of machining waste by laser metal deposition Khalid Mahmood, University of Sciences and Technology, Pakistan

Video Presentations 12:20-13:00

VD 01	Title: Evaluation with realistic correlation models of solar radiation applied to capital of Turkey Lutfu S Sua, Firat University, Turkey
VD 02	Title: Efficiency comparison of wind turbines for wind energy station design Lutfu S Sua, Firat University, Turkey
VD 03	Title: Environmental assessment of insulation materials along life cycle Lutfu S Sua, Firat University, Turkey
VD 04	Title: Selection of water as porosity provider for green insulation material manufacturing Lutfu S Sua, Firat University, Turkey

Panel Discussion

Lunch Break 13:00-14:00 @ Renaissance III

Poster Presentations 14:00-14:45

Poster Judge: Hisakazu Okamura, Asia University, Japan

Poster Judge: Daniel Ikhu-Omoregbe, Cape Peninsula University of Technology, South Africa

P 01	Title: Demonstration of an energy-efficient and socially fair neighborhood development based on electrical-thermal interconnection systems Sebastian Junghans, University of Applied Sciences Zwickau, Germany
P 02	Title: Developments of risk assessment and impact assessment for marine organisms on offshore wind farm project Byeon-Mo Gim, NeoEnBiz.Co., Bucheon, Korea
P 03	Title: Using cryogenic separation of anode off gases for high temperature fuel cell applications Rafal Bernat, Warsaw University of Technology, Poland
P 04	Title: Development of perovskite nanostructured thin films using water soluble lead precursors and its application on solar cells G M Wu, Chang Gung University, Taiwan

P 05	Title: Utilization of green plant resource- example of herbal medicine Yang L, China Pharmaceutical University, China
P 06	Title: Characterization of agricultural residues for energy purposes Pedro Casanova Treto, University of Costa Rica, Costa Rica
P 07	Title: The selection of specialized strategic energy projects of the regional energy plan on Gyeongbuk province in Korea Youngjin Ha, Korea Institute of Energy Research, Korea
P 08	Title: Relative competitive analysis of new and renewables integrating the present patent status: In case of PV, fuel cell, and wind power Seongokn Lee, Korea Institute of Energy Research, Korea
P 09	Title: Impact of foliar application of ascorbic acid on corn (<i>Zea mays L.</i>) under saline conditions Zahoor Ahmad Sajid, University of Education Okara, Lahore
P 10	Title: Reuse of basic oxygen furnace (BOF) slag: Mitigation of high alkaline leachate generation from BOF slag Seulki Jeong, Korea Basic Science Institute, Korea
P 11	Title: Agronomic valorization of the active sludge from the waste-water microalgae-bacterial treatment and of the digestate produced in the anaerobic digestion of this sludge for obtaining biogas Teresa Hernandez, CEBAS-CSIC, Spain
P 12	Title: Agricultural use of the digested sludge obtained from the synergic anaerobic digestion two phase temperature and O₃ process in waste water treatment plants C. Garcia, CEBAS-CSIC, Spain
P 13	Title: Waste classification of chemicals released from chemical accidents Ha-Yeong Kim, University of Ulsan, Korea
P 14	Title: Feasibility of the bio-char produced from food waste Woori Cho, The University of Seoul, Korea
P 15	Title: Geothermal energy potential estimates of the Niger Delta basin from recent studies Olumide Jepson Adedapo, Federal Polytechnic, Nigeria
P 16	Title: Development of supramolecular cyclodextrin gel for selective separation of sugars in water Tewodros Getachew Bekele, Ethiopian Biotechnology Institute, Ethiopia
Networking	
Awards & Closing Ceremony	



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9th International Conference on

RECYCLING: REDUCE, REUSE & RECYCLE

December 05-06, 2018 Vancouver, Canada