16th World Congress on

Applied Energy

July 22-23, 2020 | Rome, Italy

Agenda



Website: https://appliedenergy.conferenceseries.com

Agenda Day-1	
09:30-10:00	Registration
10:00-10:15	Introduction by Moderator
Keynote Forum	
10:15-10:45	Keynote Speaker
Networking & Refreshment Break, 10:45-11:00	
11:10-11:40	Keynote Speaker
11:40-12:10	Keynote Speaker
WorkShop	
12:10-12:55	Workshop Session
Group Photo 12:55-13:00	
Lunch Break 13:00:13:45	
Oral Session I	
13:45-14:05	Session Speaker
14:05-14:25	Session Speaker
14:25-14:55	Session Speaker
14:55-15:15	Session Speaker
15:15-15:35	Session Speaker
Networking & Refreshment Break, 15:35-15:55	
15:55-16:15	Session Speaker
16:15-16:35	Session Speaker
16:35-16:55	Session Speaker
Session Adjournment	
Agenda Day-2	
10:00-10:15	Introduction by Moderator
Keynote Forum	
10:15-10:45	Keynote Speaker
Networking & Refreshment Break, 10:45-11:00	
11:10-11:40	Keynote Speaker
11:40-12:10	Keynote Speaker
Workshop	
12:10-12:55	Workshop Session
Group Photo 12:55-13:00	
Lunch Break 13:00:13:45	
Oral Session I	
13:45-14:05	Session Speaker
14:05-14:25	Session Speaker
14:25-14:55	Session Speaker
14:55-15:15	Session Speaker
15:15-15:35	Session Speaker
Networking & Refreshment Break, 15:35-15:55	
15:55-16:15	Session Speaker
16:15-16:35	Session Speaker
16:35-16:55	Session Speaker
Conference Adjournment	

Day 1 November 28, 2019

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

Chattahoochee Hall

conferenceseries.com **09:30-09:50** **Opening Ceremony**

Group Photo 09:50-10:00

Keynote Forum

10:00-10:30
Title: Low temperature and high efficiency biomass fuel cell and bio-hydrogen production
Yulin Deng, Georgia Institute of Technology, Georgia, USA

10:30-11:00
Title: Towards integrated biorefinery based on dried distillers grains co-product strategy to enable production of biofuels and biochemicals
Jagannadh Satyavolu, University of Louisville, USA

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

Sessions: Renewable Energy | Bioenergy | Energy and Environment

Session Chair: Yulin Deng, Georgia Institute of Technology, Georgia, USA

Session Co-chair: Jagannadh Satyavolu, University of Louisville, USA

Session Introduction

11:20-11:40
Title: The concept of lava flow controlled use as a source of energy and materials
Anuar Kulmagambetov, Laitingen Financial Inc., Russian Federation

11:40-12:00
Title: Aerodynamic design and analysis of a small scale wind turbine rotor blade
Tesfaye Meseret Abebe, Otto-Von-Guericke University Magdeburg, Germany

12:00-12:20
Title: Development of a floating ocean-current turbine for the Kuroshio current
Katsutoshi Shirasawa, Okinawa Institute of Science and Techonology Graduate University, Japan

12:20-12:40
Title: Impedance characteristics of the all-vanadium redox flow batteries
Hong Sun, Shenyang Jianzhu University, China

12:40-13:00
Title: Physical model investigation of one way gear ocean wave energy converter as a floating wave breaker and renewable energy sources
Masjono Muchtar, Politeknik ATI Makassar, Ministry of Industry, Indonesia

Lunch Break 13:00-14:00 @ Prom

14:00-14:20
Title: Efficient techniques for woody biomass fractionation to enhance enzyme accessibility
Aye Aye Myint, Seoul National University, Republic of Korea

14:20-14:40
Title: Effect of technology development in the industrial high efficiency boiler using TIMES model
Nyun-Bae Park, Korea Institute of Energy Research, Korea

14:40-15:00
Title: Design and construction of a crushing machine for organic waste management in Mexico
Camacho-Villan Erik Oswaldo, National Autonomous University of Mexico, Mexico

15:00-15:20
Title: Sustainable energy performance: bioinspiration from thermoregulation of the termite mounds
Silvia Titotto, Universidade Federal do ABC, Brazil

15:20-15:40
Title: Thermal performance of a concrete-metamaterial added with micro-sized carbon particles for thermal insulation purposes
Juan Carlos Arteaga-Arcos, Universidad Autonoma del Estado de Mexico, Mexico

15:40-16:00
Title: High-gravity carbonation process for CO2 fixation and alkaline waste stabilization
Shu Yuan Pan, National Taiwan University, Taiwan (ROC)

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

16:20-16:40
Title: Recycling CO_2 as a sustainable source of energy for power plants
Mohammad Ali Takassi, Petroleum University of Technology, Iran

16:40-17:00	**Title: Evaluation of *Chlorella sorokiniana* mixotrophic growth using xylose as a carbon source** **Marcoaurelio Almenara Rodrigues,** Federal University of Rio de Janeiro, Brazil
17:00-17:20	**Title: Effect of non-compostable contaminants on composting of organic municipal solid waste at different turning frequencies** **Tadesse Getahun,** Jimma University, Ethiopia
	Panel Discussion

Day 2 November 29, 2016

Chattahoochee Hall

Keynote Forum

09:00-09:30	**Registrations**
09:30-10:30	**Title: The role of liquid flow window in active and passive solar building design** **T.T. Chow,** City University of Hong Kong, China
10:30-11:00	**Title: Transition to a global energy abundance and sustainability plan 2050** **Michael Garvin,** University of Iowa, USA
	Networking & Refreshment Break 11:00-11:20 @ Prom

Session: Biofuels | Green Technology | Sustainable Energy Policies | Waste Management | Recycling solid waste | E-Waste Recycling

Session Chair: Michael Boot, Eindhoven University of Technology, Netherlands

Session Co-chair: Asupatri Usha Rani, Sri Venkateswara University, India

Session Introduction

11:20-11:40	**Title: New business models for biofuels** **Michael Boot,** Eindhoven University of Technology, Netherlands
11:40-12:00	**Title: Zinc and selenium supplementation combats cadmium induced bioaccumulation and oxidative stress in teleostean fish *Oreochromis mossambicus*: The possible detoxification mechanisms** **Asupatri Usha Rani,** Sri Venkateswara University, India
12:00-12:20	**Title: St1 Cellunolix™ bioethanol demonstration plant process is based on softwood as a raw material** **Tom Granstroem,** St1 Biofuels Oy, Finland
	Young Research Forum
12:20-12:40	**Title: Comprehensive evaluation of biochar application in rice production in Ghana** **Ernest Ohene Nkansah,** University of Tsukuba, Japan
12:40-13:00	**Title: Graphene: a promising electrode for microbial fuel cells** **Jayesh M. Sonawane,** Indian Institute of Technology Bombay, Mumbai, India
	Lunch Break 13:00-14:00 @ Prom
14:00-14:20	**Title: Investigation on development of wind and PV power with hydro pumped storage to increase renewable energy penetration: a parallel analysis of Taiwan and Greece** **Robel Habtemariam,** Huazhong University of Science and Technology, China
14:20-14:40	**Title: An investigation into the dynamics of dye-sensitized solar cell for future renewable energy** **Christopher Anokam,** Utah State University Eastern, USA
14:40-15:00	**Title: Multidimensional analysis of water governance poverty in the South African corporate sector** **Juniours Marire,** Rhodes University, South Africa
15:00-15:20	**Title: Determination of the viability of landfill gas to energy in Africa: The case of Ghana** **Solomon Ofori,** University of Stuttgart, Germany
15:20-15:40	**Title: Comparative study of the bio sorption potential of *Pseudomonas aeruginosa* and *Micrococcus lutes* on Lead and Chromium** **Ikhumetse A A,** Federal University of Technology, Nigeria
15:40-16:00	**Title: The importance of smart meter for transition of smart grid in Turkey** **Onur Elma,** Yildiz Technical University, Turkey
	Networking & Refreshment Break 16:00-16:20 @ Prom

16:20-16:40	**Title: Plastic recycling in Douala, Cameroon** **Maria Atongajua,** International Institute of Tropical Agriculture, Camaroon
16:40-17:00	**Title: An overview of biogas production from poultry manure** **Emine Cagla Cilingir,** Hacettepe University, Turkey
17:00-17:20	**Title: Household recyclables estimation for improving waste management in Ulaanbaatar city** **Gombojav Delgermaa,** The University of Kitakyushu, Fukuoka, Japan
17:20-17:40	**Title: Experimental investigation of waste PET in natural sand bricks** **Anil Antony Sequeira,** Manipal University, Dubai, UAE
17:40-18:00	**Title: Novel trends in recycling and WEEE management** **Joanna Kulczycka,** Polish Acadmey of Sciences, Poland

Panel Discussion

Day 3 November 30, 2019

Chattahoochee Hall

Keynote Forum

09:30-10:00	**Title: NuEnergy's power house generator & clean water system: a game changing disruptive technology which will revolutionize the sustainable energy industry** **Hector M Guevara,** NuEnergy Technologies Corp., USA

Sessions: Energy conservation | Microbial communities and Metagenomics | Water Microbiology | Green Economy | Clinical Microbiology | Soil Microbiology | Nano Environmental Technologie | Microbial Biodegradation

Session Chair: Michael Boot, Eindhoven University of Technology, Netherlands

Session Co-chair: Asupatri Usha Rani, Sri Venkateswara University, India

Session Introduction

10:00-10:20	**Title: Scrap tires: Diversified technology portfolio for the application of recycled rubber materials** **Ashoke Karmokar,** Bridgestone Corporation, Tokyo, Japan
10:20-10:40	**Title: Automatic solar fire extinguisher** **Asit Kumar Dey,** University of Johannesburg, South Africa
10:40-11:00	**Title: Climate neutrality: Looking for a missing link?** **George Malindretos,** Harokopio University, Greece

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

11:20-11:40	**Title: Do disinfectants promote bacterial antibiotic resistance?** **Kostas Konstantinidis,** Georgia Institute of Technology , USA
11:40-12:00	**Title: Human disease and the environment** **Reetika Dawar,** Indraprastha Apollo Hospitals, India
12:00-12:20	**Title: Microbiology of pesticide and inoculation of biofilter in the field of agriculture** **Asmaa Agoussar,** University of Montreal, Canada
12:20-12:40	**Title: Development of novel whole-cell biosensors for co-detection of metals and coliforms in drinking water and urine** **Christopher Ndubuisi Nwankwo,** University of Edinburgh, UK
12:40-13:00	**Title: Pattern of distribution of bacterial host and its phages in soil environment** **Swagata Karmakar,** University of Delhi, India

Lunch Break 13:00-14:00 @ Prom

Poster Presentations 14:00-15:30

P-01	**Title: Predicting residential energy savings using known energy characteristics and historical energy consumption** **Badr Altrahuni,** University of Dayton, USA
P-02	**Title: Cost-optimal combined heat power for multifamily buildings using historical demand** **Saeed Alqaed,** University of Dayton, USA

P-03 Title: Cost impactful borehole thermal energy storage for multifamily buildings
Rodwan Elhashmi, University of Dayton, USA

P-04 Title: Isolation and screening of chromium reducing bacteria *Pseudomonas fluorescens* from textile dye industrial effluent contaminated ground water samples: A possible bioremediation approach
Asupatri Usha Rani, Sri Venkateswara University, India

P-06 Title: Aggregate associated C and their stability under different agricultural land use systems of sub-montaneous districts of Punjab, north-west India
Rajwinder Kaur, Punjab Agricultural University, India

P-07 Title: Light olefin production by cracking *Nannochloropsis oculata* microalgae using aluminosilicate catalysts
Gaurav Goyal, University of South Florida, USA

P-08 Title: Synthesis of various iodyl compounds of iodoarenes and tetrazolene using Oxone® as an oxidant
Ram Dhakal, Middle Tennessee State University, USA

P-09 Title: Xylanase and laccase enzyme activities from new thermophilic strains of *Anoxybacillus* and *Streptomyces* species
Thamir H Alkahem Albalawi, University of Arkansas, USA

Networking & Refreshment Break 15:30-15:50 @ Prom

Panel Discussion

Awards and Closing Ceremony



Bookmark your dates

4th International Conference on

Green Energy & Expo

Oct 30-Nov 01, 2020 Rome, Italy

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