

Plastics for Cleaner Planet

Fighting Global Warming, Land & Ocean Pollution

June 26 (Mon) – June 28 (Wed) 2023

Marriott @ Newark Airport

1-of-3 New York City Airports

Newark, NJ 07114, USA

Conference Chair

Roger Avakian, formerly CTO & Senior Fellow, PolyOne

Conference Advisor

Jennifer Mackey, Director of Sustainability, Bunzl

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WELCOME to Innoplast Solutions 30th conference; 12th on Re-Invention of Plastics!

Our Polymer/Chemical Industry has continued to be proactive in innovating new products & processes to address the issues threatening our society, namely, (1) Climate Change (2) Land & Ocean Pollution and (3) Sustainability of Raw-Materials in the distant future. A spirit of “Radical Innovations” in the field of chemicals/polymers is underway; a phenomenon we have not seen in the chemical industry since the 1960’s. Future technologies that take Sustainability & Environmental impact to new heights can be categorized in two areas, for example,

- (1) **Materials (M)**: Transitioning from traditional fossil based raw-materials to Renewable BioMass, Waste(s) and GreenHouse Gas (GHG) Emissions.
- (2) **Circularization (C)**: Cycling into Valued Products in a preferential order such as: Mechanical Recycling Petro/Bio-Plastics > Chemical Recycling into Building Blocks > Pyrolysis Oil > BioFuels > Incineration > BioDegradation > Landfil

As a SYMBOLIC expression for the Endurance of Polymer Industry (E), we propose:

$$E = MC^2 \quad \dots \text{highlighting the greater role of Circularization}$$

Re-Shaping of Polymers/Plastics industry has already begun; join us to witness the future!!!

Conference Program @ Glance	
June 26-Monday 1:00-4:30 PM	Pre-Conference Course – OPTIONAL <ul style="list-style-type: none"> Plastics-101: Executive Overview (<i>Structure-Processing-Performance</i>) BioPlastics-101: Overview of the Industry Recycling-101: Overview of the Industry
June 27-Tuesday 8:00 AM-5:00 PM 5:00-7:00 PM 7:00-11:00 PM	Bio-Renewables & Recycled Plastics: Value-Chain Participation Cocktail Reception & Networking Networking Dinner by New York City Waters & Skyline - OPTIONAL
June 28-Wednesday 8:00 AM-4:00 PM	Advances in Recycling Technologies

June 26 (Monday) 2023
Optional Pre-Conference Course

10:00 - 1:00 PM Registration

Polymeric Materials-101: Getting the Most out of this Conference

Fundamentals of Polymer Science & Technology will be presented at an executive business level, especially the acronyms and parameters controlling the performance. Transition from traditional petrobased plastics to biobased plastics will be discussed; intent being to capture the most out of the conference presentations

1:00-2:00 PM

Dr. Yash Khanna, **InnoPlast Solutions**, USA

2:00-2:15 PM

Coffee Break & Networking

BioPlastics-101: Overview of the Industry

Introduction to building-blocks for traditional Petro-based plastics but derived from biobased/renewable sources will be made. Their impact on Sustainability and Climate Change will be discussed. Also presented will be the future trends in Technology & Business.

2:15-3:15 PM

Dr. Terry Cooper, CEO-Global Polymer Consultants, **ARGO** Group Intl, UK/USA

3:15-3:30 PM

Coffee Break & Networking

Recycling-101: Overview of the Industry

In the spirit of Sustainability, Pollution & Climate Change, there has been a global push on Recycling "Used Plastics" into Valued-Products. State-of-the-Industry in terms of business growth and various Recycling Technologies will be presented.

3:30-4:30 PM

Tamsin Etefagh, Chief Sustainability Officer, **PureCycle**, USA

June 27 (Tuesday) 2023
Bio-Renewables and Recycled Plastics

6:30 - 8:00 AM Registration & Networking Breakfast

8:00 - 9:00 AM Welcome and Opening Remarks

(1) **State-of-the-Plastics Industry-2023: Future Trends**

- *Rationale for Pushing Sustainability & Environmental Initiatives in Plastics & Chemical Industry*
- *Bio-Sourced + GHG Emissions + Recycled Plastics: Compounded Impact on Sustainability & Environment via Reduction of Climate-Land-Ocean Pollution & Pursuit of Independence from Fossil-Fuels*
- *Fossil-Free PolyOlefins/PolyEsters/PolyAmides & other DURABLE Plastics*

Dr. Yash Khanna, President, **InnoPlast Solutions**, USA

Brand-Owners

Leading Value-Chain Participation

9:00 - 9:30

(2)

PepsiCo on a Multiyear Journey towards BioPlastics in Packaging

Dr. Sridevi Narayan-Sarathy, Director & R&D Senior Fellow,
Foods Packaging R&D-Sustainability, **PepsiCo**, USA

9:30 - 10:00

(3)

Initiatives at Hospitality Industry:

Driving Sustainability & Value-Chain Participation

Denise Naguib, Global VP-Sustainability & Supplier Diversity, **Marriott**, USA

10:00 - 10:30

Coffee & Networking

Converters

Taking Initiatives & Supporting Brand-Owners

10:30 - 11:00

(4)

Advancing Circular Economy for Packaging

- (a) *Meeting Brand-Owners Sustainability Goals*
- (b) *Renewable, Recyclable and/or Compostable Products*
- (c) *Data in the Packaging Value Chain*

Erik Gonring, Senior Director of Sustainability, **Novolex**, USA

Jennifer Mackey, Director of Sustainability, **Bunzl**, USA

Advances in Materials

Traditional & New Building Blocks & Plastics

11:00 - 11:30

(5)

Biodegradable Materials: Preparing for the End-of-Life Outcomes

Dr. Wei Zhang, Packaging Sustainability Manager, **Plastic Technologies Inc**, USA

11:30 - 12:00

(6)

PHA Bioplastic for Climate, Land and Ocean Pollution Control:

Applications & Business Trends

Phil Van Trump, CTO, **Danimer Scientific**, USA

12:00 - 1:30

Lunch & Networking

1:30 - 2:00

(7)

Carbon Transformation into Bio-Material at Commercial Scale

Speaker, Title, **Newlight Technologies**, USA

- 2:00 - 2:30
(8) TBA-1
- 2:30 – 3:00 Coffee & Networking
- 3:00-3:30
(9) **Bio-BTX Enabled 100% Bio-PET and Several Innovations Underway**
 (a) *Suntory Introduces 100% Bio-PET based Prototype Bottle*
 (b) *Recycling Mixed Plastic Waste into Building Blocks for PE, PP, PS and more*
 (c) *Waste Textiles as Feedstock*
 David Sudolsky, President & CEO, *Anellotech*, USA
- 3:30 - 4:00
(10) **Polyethylene Furanoate (PEF):
Uniting 100% Bio-based, High-Performance, and Recycling in Packaging and Textiles.**
 (a) *Commercialization update on FDCA Building Block for PEF*
 (b) *Innovations in More Building Blocks Under Development*
 Bineke Posthumus, Director-Business Development, *Avantium*, the Netherlands
- 4:00 - 5:00 **Panel Discussion:**
 (a) *Why Biodegradable Plastics: Challenges vs Opportunities*
 (b) *Bio-based vs Fossil-based Building Blocks: Why & How to Push Forward in view of President Biden's Plan to Replace 90% Plastics with Bio-Materials*
- 5:00-7:00 **Cocktail Reception** & Networking
- 7:00-11:00 **Networking Dinner** by New York City Waters & Skyline – OPTIONAL

June 28 (Wednesday) 2023

Advances in Recycling Technologies

- 7:00-8:30 AM Breakfast & Networking
- Plastics Waste Journey: Part-I**
Collection-to-Processing @ Material Recovery Facilities (MRF's)
- 8:30-9:00
(11) TBA-2
- Plastics Waste Journey: Part-II**
MRF's-to-Virgin Plastics/Value-Added Products
- 9:00-9:30
(12) **Carpet Recycling – Polymer Options & Chemical Recycling**
 Dr. Bob Peoples, Executive Director, *Carpet America Recovery Effort*, USA
- 9:30-10:00
(13) **Food Grade Post-Consumer PET Goes Commercial:
Enabling Brand-Owners Meet Sustainability Goals**
 Lori Carson, Market Development Manager, *Phoenix Technologies*, USA
- 10:00-10:30 Coffee & Networking
- 10:30-11:00 **An Exciting New Process to Produce Feedstock for Virgin Plastics**

(14) Kevin Quast, Senior Director-Business Development,
Advanced Plastics Recycling-Sustainable Technology Solutions *Honeywell*, USA

11:00-11:30 **A Role-Model for Circular Technology:**
(15) **Post-Consumer Waste-to-Building Blocks-to-Virgin PET @ One-Stop Facility**
Speaker/Title-TBA, *Eastman Chemical*, USA

11:30-12:00 **Circular Recycling of Polystyrene**
(16) Richard Shaw, Circular Economy & Sustainability, *Americas Styrenics*, USA

12:00-1:00 Lunch & Networking

Sustainable Additives for Bio- and Recycled Plastics

1:00-1:30 **Re-Stabilization of Recycled Plastics**
(17) Dr. Rudolf Pfaendner, Division Director-Plastics, *Fraunhofer Institute*, Germany

1:30-2:00 **Microban AntiMicrobials: Technologies for Sustainable Plastics**
(18) Michael Ruby, President, *Microban International*, USA

2:00-2:30 **Greening of Minerals: Sustainability Impact of Functional Fillers**
(19) Brian Hanrahan, President, *Lumina Sustainable Materials*, Greenland

2:00-2:30 **Flame Retardant Plastics: Role of Sustainable Additives**
(20) Maggie Baumann, Vice Chair, *Pinfa-NA/ FRX Polymers*, USA

Grand-Finale: Take-Away Messages

World-Experts with 3-Suggestions on Ending Plastics Waste

2:30-4:00
(21) Expert-1: **Francois de Bie**
Chairman of the Board-European Bioplastics Association (2013-2022), Senior
Marketing & Supply Chain Director, *Total-Corbion*, the Netherlands

(22) Expert-2: TBA

(23) Expert-3: TBA

(24) Expert-4: TBA

(25) Expert-5: TBA

PLATINUM SPONSORSHIP (1 @ \$10,000): **Bunzl-NA**

Enables complementary attendance up to 5 delegates, an exhibit booth equivalent to two (2) tabletops, company's logo (largest size) on posters and conference material, and acknowledgement at cocktail reception

GOLD SPONSORSHIP (3 @ \$7,500 each):

Enables complementary attendance up to 3 delegates, a tabletop exhibit, company's logo (larger size) on posters and conference material, acknowledgement at lunch

SILVER SPONSORSHIP (5 @ \$5,000 each): **LCI Corp; Pinfa-NA; Bioplastics Magazine;**

Enables complementary attendance up to 2 delegates, a tabletop exhibit, company's logo on posters and conference material, acknowledgement at coffee breaks

TABLETOP EXHIBITS (20 @ \$2,500 each): **LCI Corp; Pinfa-NA; Bioplastics Magazine**

Enables one (1) delegate and a TableTop display: