



InnoPlast Solutions Presents a **HYBRID** 2-Day Event on

Necessity to Re-Invent Plastics/Packaging

April 20 (Tue) – April 21 (Wed) 2027

Venue - TBA

New York City Area

WELCOME to Innoplast Solutions 65th Event; 16th on Re-Invention of Plastics!

After 90 years of unmatched benefits to human life, our Plastics Industry has come under scrutiny due to issues threatening the future, namely, (1) Detrimental Impact of Plastics on Global Warming and Land-Ocean pollution. (2) Micro-Nano Plastic Particles & Leached Chemicals in our Food Chain, and thereby leading to (3) Stagnation of Business Growth.

Join us to Explore Ideas on Re-Shaping the Plastics Industry

April 20th (Tuesday) 2027

Planet-Friendly Traditional Plastics but BioBased

7:30 - 8:30 AM Registration / Breakfast / Networking & Welcome

Crash-Course on Polymer Science & Technology

for

8:30 -10:00 AM
(1) **Engineers / Chemists / Physicists / Business Executives**

Fundamentals of Polymer Science & Technology will be presented at an executive business level, especially the acronyms and parameters controlling the STRUCTURE-PROPERTY-PROCESSING-PERFORMANCE attributes of the polymeric materials; intent being to capture sufficient knowledge enabling one to interact with anyone in the polymer / plastic industry.

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

10:00 - 10:30 Coffee & Networking

Session-I

Reducing/Eliminating Dependence on Planet-Harming Fossil-Fuels

Alternate Feedstocks for Good-Old Plastics in Commercial Phase

- 10:30 - 12:00
(2) **Why Plastics Industry Must Go Non-Fossil Route and How ?**
(a) *Compelling Reason #1: Global Warming & Land-Ocean Pollution*
(b) *Compelling Reason #2: Supply Issues in Distant Future*
(c) *Compelling Reason #3: Un-Predictable Pricing*
(d) *Alternate Feedstocks: BioMass+GHG Emissions+HiTech-Recycled Plastics*
(e) *Cost of Alternate Feedstocks: a Non-Issue to Consumers*
(f) *Media Reports on Nano-Micro Particles: Summary & Recommendations*
Dr. Yash Khanna, President, **InnoPlast Solutions**, USA
- 12:00 - 1:30 Lunch & Networking

Session-II

Re-Invention of Ethylene; the Largest Building Block for Plastics Industry

via

Non-Fossil Route

- 1:30 - 4:30
(3-6) **Agricultural Waste-to-BioEthanol-to-BioEthylene**
Kelly Davis, Vice President, **New Energy Blue**, USA
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- C-Emissions-to-BioEthanol-to-BioEthylene; other Circular Chemicals**
Tim Cesarek, CEO, **Synata Bio**, USA
.....
- Ethylene has Created Critical Materials; Same from BioEthylene**
(a) Polyethylene (Bio-**PE**)
(b) Ethylene Glycol for Bio-**PET**
(c) Ethylene-Vinyl Acetate (Bio-**EVA**)
(d) Ethylene Dichloride for Bio-**PVC**
Dr. Terry Cooper, CEO-Global Polymer Consultants, **ARGO Group**, UK/USA
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- 5:00 – 10:00 **Networking Dinner by New York City Waters & Skyline - OPTIONAL**

April 21st (Wednesday) 2027

- *Planet-Friendly Plastics: Advanced Recycling Technologies*
- *Packaging Industry-Business-Growth via Problem Solving*

8:00-9:00 Coffee & Networking

Session-III

Preserve and Respect Material Value via Recycling Plastic Feedstock

9:00-12:00
(7-11)

Mechanical Recycling A-to-Z: Sharply Focused Overview

This presentation will cover the recycling journey from Curbside Pickup to Processing Steps @ Material Recovery Facilities to End-Users

Adam Wozniak, Senior Manager-Sustainability, *Blue Polymers*, USA

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Molecular Recycling via Enzymatic DePolymerization: Building Blocks for Virgin PET

Bio-Recycling of PET Waste: Commercial Scale Operation

Dr Bruno Langlois, Director-Tech. & Institutional Partnerships, *Carbios*, France

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Molecular Recycling via Chemical DePolymerization of Carpets for Virgin Nylon 6 and Virgin PET

Dr. Robert Peoples, Executive Director, *Carpet America Recovery Effort*, USA

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Solvent Recycling: End of Life-to-Virgin, Ultra-Pure PP

Turning Plastic Waste into a Sustainable Ultra-Pure PP

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

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Solvent Recycling: End of Life-to-Virgin, Ultra-Pure PS

Turning Contaminated PS, a Hindrance to Recycling, into Ultra-Pure PS

Virginie Bussieres, VP-External Affairs & Partnerships, *UpSolv*, Canada

12:00-1:30 Lunch & Networking

Session-IV

How to Innovate for Business Growth

In a

Maturing Plastics Industry

1:30-3:30
(12)

- *Statistical Probability of Innovation: 1-in-3000*
- *Role of Accidental Discoveries During Problem Solving ?*
- *Conceptual Innovation: a Bridge between Common-Commercial and Rare-Paradigm Shifting Innovations; Delights Customers & Enables Business Growth !!!*
- *Successful New Product Developments: How to Reduce Risks ?*

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