



InnoPlast Solutions Presents a **HYBRID** 2-Day Symposium on
Plastics Future / Packaging / Business Growth

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 & Welcome

Crash-Course on Polymer Science & Technology

for

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

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*
 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

- 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

- Carbon-14 Analysis for Biobased Certification and Regulatory Compliance**
 Benjamin Kling, Policy Research Associate, **SGS Beta**, USA
- 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

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

1:30-3:30
(12-13)

Session-IV

Packaging Industry: Business Growth via Problem Solving Case-Histories & Solutions

Dimension Stability Problems in Packaging Industry

- Unacceptable changes in laminates during thermoforming
- Irreversible & partially reversible changes during transportation
- Roll-Conformity and / or Telescoping issues during storage
- Stabilization of unoriented or highly oriented films

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

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Root-Cause Investigative Analysis of Gels & Related Visual Defects

- Study of gels, their classification, and discovering a broad spectrum of contaminating sources
- Role of additives & their incorporation
- Fish-eye / lensing issues

Dr. Edgar Leone, Chief Scientist, *Exel Laboratories*, USA