



# THERMOPLASTIC ELASTOMERS CONFERENCE

Akron, Ohio • September 15-16, 2020

Presented by the Thermoplastic Elastomers Special Interest Group and SPE Akron Section

Exploring Sustainable Innovation

## Technical Program

### Keynote Addresses

#### **Innovation Renewal and The Garage Group Story**

Jason Hauer, Justine Daley *The Garage Group*

#### **TPE Biomaterials Needs, Research at North Carolina State University and the Future**

Dr. Rich Spontak *North Carolina State Univ.*

#### **Piezo Active Elastomers for Biomedical Applications**

Dr. Judit Puskas *The Ohio State University*

### Medical

#### **Thermoplastic Elastomer Compounds for Medical Applications**

Dr. Sehyun Kim *Kraiburg TPE*

#### **Liquid Crystal Elastomers For Biomedical Applications**

Dr. Elda Hegmann *Kent State University*

#### **Degradable Polyester Elastomer Platform**

Dr. Abraham Joy *The University of Akron*

#### **Innovative Santoprene™ TPVs for Medical, Industrial and Consumer Applications**

Bhavesh Shah *ExxonMobil Chemical*

### Trends

#### **A 2020 View of the Evolving Global Regulatory Environment**

Alicia Bergeron *Executive Polymer*

#### **Trends in Material Utilization from an Industrial Design Perspective**

Rene Polin *Balance Innovation & Design*

#### **TPE Comounding 2030**

Dr. Paul Anderson *Coperion*

### Sports and Recreation

#### **PEBAX Polyamide Elastomers in Athletic Footwear**

Jake McDonough *Arkema, Inc.*

#### **Infinergy TPU Foam Beads for Cushioning and Rebound**

Lindsay Sanders *BASF*

### Materials

#### **An Ultra High Molecular Weight SEBS Polymer for High Temperature TPE Applications**

Chi Jui (Ray) Hsieh, Wayne Sheu *LCY Group*

#### **Repolymerization and Compatibilization of Thermoplastics in Post-consumer Recycling Processes by using Titanate Ester Catalysts**

Sal Monte *Kenrich Petrochemicals*

### Electronics

TBD, Jamie Orr

*PolyOne*

#### **Low Loss Dielectric Polymeric Laminates for Electronics**

Arthur Martin *Daikin America, Inc.*

### Automotive and Transportation

#### **Improving the Sustainable Content in Thermoplastic Elastomers**

Alper Kiziltas *Ford Motor Company*

#### **HYBRAR™ SV-series, New Hydrogenated Styrenic Block Copolymers with Excellent Damping Performance**

Shinya "Smokey" Oshita, Hoan Tran, Yasushi Senda, Heith Foster *Kuraray America*

#### **Kraton SEBS Polymers for Automotive Applications**

Amit Desai *Kraton Corp.*

#### **A Recycled Content Material Solution for TPV Applications**

Edgar Gonzalez *Synesis LLC*

#### **PU-based Composites as Sustainable Choice for Rubber Replacement**

Sam Kharchenko *BASF*

#### **Innovative Santoprene™ TPV B265 Grades for Automotive Corner Molding and End-cap Weatherseals**

Faith Howard *ExxonMobil Chemical*

#### **Method of Making Carbon Fiber Articles Laminated with Thermoplastic Urethane (TPU) Films for Light Weight Automotive Applications - A Disruptive Methodology**

Sat Nistala *Lubrizol Corp.*

### 3D Printing

#### **Durability of 3D Printed Elastomer Structures**

Will Mars *Endurica LLC*

#### **3D Printing with Thermoplastic Elastomers**

Rigoberto Advincula *Case Western Res. Univ.*