



12:00 pm - 1:30 pm

Student Luncheon  
White River F

1:30 pm - 4:00 pm

**Extrusion- Mixing and Reactive Processes III**

JW Grand Ballroom 7

Moderator: Jane Spikowski

1:30 pm - 2:00 pm

PRODUCTION OF CONTROLLED RHEOLOGY POLYPROPYLENES FROM  
METALLOCENE AND ZIEGLER-NATTA RESINS

2:00 pm - 2:30 pm

Shouliang Nie, University of Waterloo

DYNAMIC RHEOLOGICAL MEASUREMENTS OF AQUEOUS POLYESTER  
DISPERSION IN BATCH REACTOR AND TWIN SCREW EXTRUDER

2:30 pm - 3:00 pm	Ali Goger, McMaster University MELTING PHENOMENA AND SAMPLE PREPARATION METHOD WITHIN A PARTLY FILLED MELTING ZONE OF CO-ROTATING TWIN SCREW EXTRUDERS
3:00 pm - 3:30 pm	Kim Jacqueline Scharr, University of Paderborn Scale up of abrassive wear in technical compounding
3:30 pm - 4:00 pm	Gonzalo Marulanda, B&P Process Equipment Feed Mechanism for Improvement in Scale Up From Small Laboratory Reciprocating Kneaders
1:30 pm - 4:30 pm	Gonzalo Marulanda, B&P Process Equipment <b>Injection Molding- Tutorial Session 1</b> White River A
1:30 pm - 2:30 pm	Moderator: Srikanth Pilla Creep Failure of Plastics
2:30 pm - 3:30 pm	Jeffrey Jansen, Senior Managing Engineer and Partner, The Madison Group Achieving Zero Scrap during Production: A guide to Process Robustness, Process Repeatability and Reproducibility
3:30 pm - 4:30 pm	Suhas Kulkarni Design Errors Masquerading as Processing Failures
1:30 pm -5:00 pm	Vikram Bhargava, Consultant and Author <b>Composites- Long Fiber Composites</b> White River G
1:30 pm - 2:00 pm	Moderator:Creig Bowland Analysis of the Process-Induced Microstructure in Injection Molding of Long Glass Fiber-Reinforced Thermoplastics
2:00 pm - 2:30 pm	Sebastian Goris, University of Wisconsin - Madison Simulation of Long Semi-flexible Fiber Orientation during Injection Molding
2:30 pm - 3:00 pm	Hongyu Chen, Virginia Tech Degradation of Glass Fiber Reinforced Polyamide Composites during Long Fiber Reinforced Thermoplastics Direct Extrusion Compression Moulding Process
3:00 pm - 3:30 pm	Takashi Kuboki, University of Western Ontario Effect of different fiber tex feeding on mechanical properties of glass fiber reinforced RPET composite by DFFIM process

3:30 pm - 4:00 pm	Hiroyuki Hamada, Professor, Kyoto Institute of Technology EFFECTS OF INJECTION MOLDING PROCESSING PARAMETERS ON EXPERIMENTAL FIBER LENGTH DISTRIBUTION OF GLASS FIBER-REINFORCED COMPOSITES
4:00 pm - 4:30 pm	Rebecca Minnick, Virginia Polytechnic Institute and State University CELLULOSE NANOCRYSTALS AS REINFORCEMENT IN GLASS FIBER/EPOXY SHEET MOLDING COMPOUND COMPOSITES
4:30 pm - 5:00 pm	Mark Miller, Georgia Institute of Technology Carbonization of polyacrylonitrile Nano Fiber by Cotton Candy Method
1:30 pm - 4:30 pm	Akihiro Tada, OHGI Technological Creation CO., LTD. <b>Engineering Properties and Structure: Durability</b> Room 103/104 Moderator: Daniel Liu Moderator: Paul Hans
1:30 pm - 2:00 pm	Development of predictive and semi-gSEM models of poly(ethylene-terephthalate) degradation under multi-factor accelerated weathering exposure
2:00 pm - 2:30 pm	Laura Bruckman, Case Western Reserve University FIBER LENGTH DEGRADATION OF GLASS FIBER REINFORCED POLYPROPYLENE DURING SHEARING
2:30 pm - 3:00 pm	Gilmar Heiderich, University of Paderborn IMPACT OF ELEVATED TEMPERATURES ON SURFACE PROPERTIES OF ERUCAMIDE-CONTAINING POLYETHYLENE FILMS
3:00 pm - 3:30 pm	Rahul Sharma, The Dow Chemical Company TENSILE YIELD STRESS MODELING OF PTFE PASTE EXTRUDATES: EFFECT OF PROCESSING CONDITIONS
3:30 pm - 4:00 pm	Dimitrios Vavlekas, University of British Columbia EFFECTS OF ANNEALING ON THE BONDING PROPERTIES OF POLYMER-METAL HYBRIDS
4:00 pm - 4:30 pm	Jaime Alejandro Puentes Parodi, Ph.D Student, Leibniz-Institut für Polymerforschung EFFECT OF DEGRADATION CAUSED BY WATER ABSORPTION ON MECHANICAL PROPERTIES OF INJECTION-MOLDED GLASS FIBER REINFORCED POLYPROPYLENE
	Junichi Ogawa, Mazda Motor Corporation

1:30 pm - 4:30 pm

**Non-Halogen Flame Retardant Session**

White River C/D

1:30 pm - 2:30 pm

Requirements & Trends in Fire Safety of Thermoplastics for Commercial Aircraft

2:30 pm - 3:00 pm

David Sterling, Materials & Process Engineer, Boeing Company

The Challenge of Scale in Materials Selection for Product Development

3:00 pm - 3:30 pm

Thomas Chapin, Vice President, Research, Underwriters Laboratories Inc.

Formulating Flame Retardant Compositions

3:30 pm - 4:30 pm

Roger Avakian, Technical Fellow in the Scientific Development group, PolyOne Corporation

Nontoxic Replacements for Organohalogen Flame Retardants from Renewable Biosources

4:00 pm - 4:30 pm

Bob Howell, Professor , Central Michigan University

Update on Surface Transportation Flame Retardancy Requirements

2:00 pm - 4:00 pm

Margaret Baumann, G.h.associates

Robert Weiler

**Automotive Division Session II**

Room 101

Moderator: Suresh Shah

2:00 pm - 3:00 pm

Keynote: Executive Study on the 2015 MAPP Benchmarking Study

3:00 pm - 3:30 pm

Jeff Mengel, Partner, Plante & Moran

Contribution to Warpage and Shrinkage Analysis Using BlowView Software

Zohir Benrabah, NRC Automotive