



12:00 pm - 1:30 pm

1:30 pm - 4:00 pm

1:30 pm - 2:00 pm

2:00 pm - 2:30 pm

Student Luncheon

White River F

Extrusion- Mixing and Reactive Processes III

JW Grand Ballroom 7

Moderator: Jane Spikowski

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

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 Injection Molding- Tutorial Session 1 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 Composites- Long Fiber Composites 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. Engineering Properties and Structure: Durability 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

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Non-Halogen Flame Retardant Session

White River C/D

Requirements & Trends in Fire Safety of Thermoplastics for Commercial Aircraft

David Sterling, Materials & Process Engineer, Boeing Company

The Challenge of Scale in Materials Selection for Product Development

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

Formulating Flame Retardant Compositions

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

Nontoxic Replacements for Organohalogen Flame Retardants from Renewable Biosources

Bob Howell, Professor , Central Michigan University

Update on Surface Transportation Flame Retardancy Requirements

Margaret Baumann, G.h.associates

Robert Weiler

Automotive Division Session II

Room 101

Moderator: Suresh Shah

Keynote: Executive Study on the 2015 MAPP Benchmarking Study

Jeff Mengel, Partner, Plante & Moran

Contribution to Warpage and Shrinkage Analysis Using BlowView Software

Zohir Benrabah, NRC Automotive