26th Annual Conference on Recent Advances in Flame Retardancy of Polymeric Materials 2015

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Flame 2015 Proceedings Summary

Below is the itemized list of what is included in this proceedings folder. Some papers from speakers who did not attend are included in this folder.

If you have any questions, please contant Conference Organizer, Ariel Welch, at ariel.welch@bccresearch.com.

MONDAY, May 17th

Topic	Author
Comparative Burn of Flat Panel Televisions from United States, Mexican and Brazilian Markets	Matthew S. Blais
Fire Hazards of Lithium Ion	Richard E. Lyon
Upholstered Furniture Fire Safety: Recent Findings and Regulations	Marcelo M. Hirschler
Reformulating Targeted Materials: How This Impacts Aerospace OEMs	John N. Harris
The Changing Landscape for Flame Retardants: Green Chemistry, Voluntary Environmental Standards, and Public Perception	Tim Earl
Comprehensive Evaluation of Unreacted Flame Retardants in Printed Circuit Boards	Feng Yang
Towards an Improved Bench-scale Smoldering Scenario for Upholstered Furniture	Mauro Zammarano
Preparation of Flame-Retardant and Smoke-Suppressing Expanded Polystyrene Foams	Wang Liao
The 2015 BCC Research Flame Retardant Report	Marcanne Green
Unconventional Additives to Achieve Ultra-Low Smoke Performance in Polyurethane Foam Insulation	Gus Ibay
Combination of Gas and Condensed Phase Effect of Phosphorus Flame Retardancy in Polyisocyanurate Foam	Hongyu Yang
Vertical Cone Calorimeter Testing of Polyurethane Foams	Alexander B. Morgan
Nonformaldehyde Flame Retardant Finishing of 65/35 Nomex/ Cotton Blend Fabric for Protective Clothing	Charles Q. Yang
Water-Soluble Polyelectrolyte Complexes and Layer-by-Layer Assemblies as Environmentally-Benign Flame Retardant Nanocoatings	Jaime C. Grunlan
Observing Smoldering-to Flaming Transition on Foam/Fabric Assemblies	Stanislav I. Stoliarov

TUESDAY, May 19th

Topic	Author
Environmental Friendly Flame Resistant Coatings for Soft Furnishing	Yeon Seok Kim
Study on the Flame Retardancy of Sulfonate-containing Polyhedral Oligomeric Silsesquioxane (S-POSS)/Polycarbonate Composites	Rongjie Yang
Flame Retardancy of Chemically Modified Lignin as Functional Additive to Epoxy Nanocomposite	Gamini P. Mendis
Self-Assembly of Mesoporous Silica@Ni-Al Layered Double Hydroxide Spheres for Reducing Fire Hazards of Epoxy Resins	Shu-Dong Jiang
Micro-Scale Study on the Flammability of Polymers	Hsinjin Edwin Yang
Some Findings of Fire Retarding Polymer Nanocomposites	De-Yi Wang
Structure-Property Relationships of Polyethylene and Polypropylene Graphene Nancomposites: Thermo-Mechanical Response and Flame Retardance	Miriam H. Rafailovich
Melamine Poly(metal phosphates) as Flame Retardant in Epoxy Resin: Performance, Mechanisms, Synergy	Patrick Müller
The Use of Oligomeric Phosphonate to add Fire Protection to Sustainable Polyurethane Foam	Tim Reilly
Novel Phosphorus Containing Flame Retardants for Engineering Plastics	Manfred Döring
Synthesis and Flame Retardancy Characterizations of New Bio-Based Phosphorus-Containing Epoxy Thermosets	Laurent Ferry
A Highly Thermally Stable Phosphorus Flame Retardant for Semi-aromatic Polyamides	Qiang Yao
Flame Retardant Properties of Phosphorus Esters Derived from Isosorbide Di(14-hydroxy-12-thiatetradecenoate)	Bob A. Howell
Phosphorus-Based Flame Retardant Coatings for Polymers and Composites	Katherine Williams

WEDNESDAY, May 20th

Topic	Author
Anti-Flammable Polymers and Cross-Linked Networks: Difunctional and Multifunctional Deoxybenzoins	Todd Emrick
Salen-Based Schiff Bases: a New Class of Fire Retardant	Gaëlle Fontaine
Thermal Decomposition and Flame Retardancy Mechanism of PolycarbonatePolydimethylsiloxane Copolymer	Xin Chen
How Thiol-Ene Networks Burn: Recent Results on Their Thermal Stability and Flammability	Sergei Nazarenko
Recent Advances in Fire Retardancy of EVA	Serge Bourbigot
Fire Retardancy of Polyureas	Charles A. Wilkie
Development of Pyrolysis Models for Simulation of Fire Growth on Polymeric Materials	Stanislav I. Stoliarov
Development of a Finite Element Model for Predicting the Burning of Materials	Morgan Bruns
Evaluating Activity of Flame Retardants in Gas Phase	Sabyasachi Gaan
Synthesis of Phosphonated Oligomers and Layer by Layer Assembly for Flame Retardant applications	Claire Negrell
Development of a Test Method to Determine the Propensity of Building Materials to Smolder	Janet Murrell