

Sunday, June 21st, 2015			
Sunday, June 21st, 2015		13:00 – 14:00	Conference Registration
	Workshop „Small-Scale Fire Testing“		
	WS1	14:00 – 15:00	Sean Gregory Advances in Cone Calorimetry
	WS2	15:00 – 16:00	Richard Walters Microscale Combustion Calorimeter Workshop
	WS3	16:00 – 17:00	Steve Grayson Calorimetry Developments in International Standard and their Application in Research and in Regulations
	WS4	17:00 – 18:00	Bernhard Schartel From Know-how to Challenges in Bench-scale Fire Testing: A Polymer Researcher's Viewpoint
		18:00 – 19:00	Welcome Reception & Conference Registration

„15th European Meeting on Fire Retardancy and Protection of Materials“

Monday, June 22nd, 2015			
Monday, June 22nd, 2015		8:00 – 9:05	Conference Registration
		8:50 – 9:05	Conference Opening
	Session I		
	IV1	9:05 – 9:40	Invited Lecture: Giovanni Camino Fire Retardance Across two Centuries. From the Past, Ideas for the Future
	T1	9:40 – 10:00	De-Yi Wang Functionalized Layer Double Hydroxide: An Interesting Nano Fire Retardant to Epoxy Resin
	T2	10:00 – 10:20	Bettina Dittrich Graphene – Adjuvant for Halogen-Free Flame Retardants?
	T3	10:20 – 10:40	T. Richard Hull Development of Fire Protective Treatments for Wood
		10:40 – 11:15	Coffee Break
	Session II		
	IV2	11:15 – 11:50	Invited Lecture: Carl-Eric Wilen Design, Synthesis and Application of Innovative, High-Performance Flame Retardants based on Different Radical Generators

Monday, June 22nd, 2015	T4	11:50 – 12:10	Michael Ciesielski Synergistic Flame Retardant Systems for Polystyrene Foams
	T5	12:10 – 12:30	Rudolph Pfaendner New Radical Generators as Efficient Flame Retardants for Polyolefins
	T6	12:30 – 12:50	Aleksandra Sut Solid-state NMR Identifying the Chemistry Behind Synergy in Flame Retardant
		12:50 – 14:30	Lunch Break
	Session III		
	IV3	14:30 – 15:05	Invited Lecture: Alexander B. Morgan New Ideas and Directions in Reactive Phosphorus Flame Retardants
	T7	15:05 – 15:25	Doris Pospiech Improved Flame Retardancy for Biobased Polyesters by Copolycondensation with DOPO Monomers
	T8	15:25 – 15:45	Michael W. Weinert Ethylene bridged Bisphosphorus Compounds as Flame Retardants
	T9	15:45 – 16:05	Véronique Bounor-Legaré Synthesis of a New Organophosphorous Alkoxy silane Precursor and Its Effect on the Fire Behaviour of a PA66/PA6 Copolymer
		16:05 – 16:40	Coffee Break
	Session IV		
	T10	16:40 – 17:00	Charles A. Wilkie Flame Retardancy of Polyureas
	T11	17:00 – 17:20	Mauro Zammarano Smoldering and Open-Flame Resistance of Residential Upholstered Furniture
	T12	17:20 – 17:40	Ke Shang A Highly Fire-Resistant Alginate Aerogel
T13	17:40 – 18:00	Michele Modesti Polyisocyanurate Foams with Improved Fire Behaviour obtained from Sustainable Raw Materials	
T14	18:00 – 18:20	A. Richard Horrocks The Synthesis and Screening of Novel Metal Complexes for Flame Retardant/Synergistic Activity in Polyamide 6.6	

Tuesday, June 23rd, 2015		
Session V		
IV4	8:30 – 9:05	Invited Lecture: Manfred Doering Advanced Flame Retardants and their Tailored Synthesis
	T15	9:05 – 9:25 Bob A. Howell Phosphorus Esters of Bioderived Isosorbide Di(14-hydroxy-12-thiatetradecanoate) as Effective Flame Retardants for Polymeric Materials
T16	9:25 – 9:45	Fouad Laoutid Novel Bio-based Phosphorous Flame Retardant Additives For Poly(lactic acid)
T17	9:45 – 10:05	Jia-Ning Wu A Novel Flame-Retardant and Non-dripping Copolyester
T18	10:05 – 10:25	Jan-Pleun Lens Novel Polymeric, Non-Halogenated Flame Retardants with Broad Applicability in Multiple Industries
	10:25 – 10:55	Coffee Break
Session VI		
IV5	10:55 – 11:30	Invited Lecture: Yu-Zhong Wang Design of Halogen-Free Flame-Retardant Polymer Systems with Desirable Comprehensive Performances
	T19	11:30 – 11:50 Jia-En Low Flame Retardants Containing Phosphorus, Nitrogen and Silicon in Different Combinations for Cellulose-based Cotton Textiles
T20	11:50 – 12:10	Torsten Textor Sol-Gel-Based Flame Retardants for Textiles
T21	12:10 – 12:30	Stéphane Giraud Spinning of bio-based polymers with Intumescent System containing Lignin for Flame Retarded Textile
T22	12:30 – 12:50	Oleg Korobeinichev The Study of the Mechanism of TPP Flame Retardancy for UHMWPE Using the Method of Opposed-Flow Diffusion Flames
	12:50 – 14:20	Lunch Break
Session VII		
IV6	14:20 – 14:55	Invited Lecture: Baljinder K. Kandola Melt Dripping versus Flaming in Thermoplastic Polymers
	T23	14:55 – 15:15 Roland H. Kraemer Milligram-Scale Flame Calorimeter: Applications in Flammability Assessment
T24	15:15 – 15:35	Bernd Steinhoff Rapid Determination of Corrosiveness of Polymer Melts by Electrochemical Measurements

Tuesday, June 23rd, 2015		15:35 – 16:05	Coffee Break
	Session VIII		
	T25	16:05 – 16:25	Gaëlle Fontaine Investigation of Fire Behaviour: From Model Materials to Cables
	T26	16:25 – 16:45	Emanuela Gallo Assessing Cable Reaction to Fire by New Intermediate-Scale Method
	T27	16:45 – 17:05	Artur Witkowski Development of a Pyrolysis Model for Fire Retardant Cable Sheathing Materials
		17:05 – 19:00	Excursion to the Technical Testing Site of BAM
		19:00 – 22:00	Poster Session & Barbecue Dinner

Wednesday, June 24th, 2015		
Session IX		
IV7	8:30 – 9:05	<u>Invited Lecture:</u> Fabienne Samyn Intumescence and Composites: The Perfect Match for Fire Safe Lightweight Transportation?
	T28	9:05 – 9:25 Rongjie Yang Water Resistance of Intumescent Flame Retardant Polypropylene with Ammonium Polyphosphate-Montmorillonite Nanocompound
T29	9:25 – 9:45	Michael Morys Advanced Residue Analysis: μ -Computed Tomography of Intumescent Chars
T30	9:45 – 10:05	Emilie Gonçalves Aerospace Requirements About The Durability Of Fire Protection Coatings
T31	10:05 – 10:25	Nicole Stoess New flame-retardant SMC for Aerospace Applications
	10:25 – 10:55	Coffee Break
Session X		
IV8	10:55 – 11:30	<u>Invited Lecture:</u> A. Geoff Gibson Aerospace Composites under Compressive Load in Fire
	T32	11:30 – 11:50 Serge Bourbigot Scaling Reduction in Fire Testing and Its Application to Carbon-fiber Reinforced Composites
T33	11:50 – 12:10	György Marosi FR Composites for Aircraft Applications: CNT Inclusion both in Epoxy Matrix and in Carbonized Electrospun Nanofibers
T34	12:10 – 12:30	Patricia Parlevliet Investigations into Fire, Smoke & Toxicity Behaviour of Composite Aircraft Structures
T35	12:30 – 12:50	Sebastian Timme Carbon Fiber Reinforced Polymer Shells In Fire: Structural Integrity In Intermediate-Scale
	12:50 – 14:20	Lunch Break
Session XI		
IV9	14:20 – 14:55	<u>Invited Lecture:</u> Gregory Linteris The Gas-Phase Action of the DMMP in Co-Flow Diffusion Flames
	T36	14:55 – 15:15 Isaac T. Leventon Upward Flame Spread over Polymers and the Impact of Secondary Burning Behavior
T37	15:15 – 15:35	Sabyasachi Gaan Novel Method for Study of Thermal Decomposition of Organophosphorus Compounds

Wednesday, June 24th, 2015	T38	15:35 – 15:55	Gillian Leplat Experimental and Numerical Thermal Response Analysis of Laser-Induced Composite Decomposition
		15:55 – 16:30	Coffee Break
	Session XII		
	T39	16:30 – 16:50	Sebastian Eibl Formation of Respirable Fibres in Carbon fibre reinforced plastic materials during Combustion
	T40	16:50 – 17:10	Anna A. Stec Effect of Temperature on Insulation Materials
	T41	17:10 – 17:30	Hans Wendschlag Safer Flame Retardant Alternatives – Using a Solid Assessment Methodology to Avoid Regrettable Substitution
	T42	17:30 – 17:50	Willem Hofland ICL FR Framework: The Way to more Sustainable Fire Safety Solutions
		18:30	Transfer to the Dinner Location
		19:00	Conference Dinner

Thursday, June 25th, 2015

Thursday, June 25th, 2015	Session XIII		
	IV10	8:30 – 9:05	Invited Lecture: Jenny Alongi Fire Protection of Films, Fabrics and Foams Achieved through Surface Nano-Structuring
	T43	9:05 – 9:25	José-Marie Lopez-Cuesta Environmentally Friendly Water-Based Flame Retardant Coating for Polymeric Foam
	T44	9:25 – 9:45	Federico Carosio Nanocellulose/Clay Materials: Biobased Nanocomposites with Superior Flame Retardant Properties
	T45	9:45 – 10:05	Jaime C. Grunlan Water-Soluble Polyelectrolyte Complexes As Safe Flame Retardant Nanocoating For Woven Fabric
	T46	10:05 – 10:25	John R. Ebdon New Free-radically Curable Resins and Resin Blends Based on Chemically Modified Phenolic Novolacs Having Improved Flame Retardance
		10:25 – 10:55	Coffee Break
	Session XIV		
	IV11	10:55 – 11:30	Invited Lecture: Yuan Hu Interfacial Chemistry of Fillers and Flame Retardancy of Polymer Composites
	T47	11:30 – 11:50	Laurent Ferry Use of an Organophosphorous Alkoxysilane for Flame Retardancy: Silica Precursor or Grafting Agent
	T48	11:50 – 12:10	Jochen Endtner The Effect of Aluminium Phosphinate and Brominated Flame Retardants on Properties relevant for Industrial Applications
	T49	12:10 – 12:30	Andreas J. Gegner Nano-Intumescent FR Compositions via Phosphorus Heteroatom Organometallic Coupling Agents/Catalysts
	12:30	Conference Closing	

Poster Session List

P1	Yi Tan A Novel Flame-Retardant Curing Agent Based on Ammonium Polyphosphate for Epoxy Resin
P2	Patrick Müller Fire Performance of Epoxy Resin Modified with Melamine Poly(Metal Phosphate)
P3	Raphaël Ménard Comparison of Additive and Reactive Phloroglucinol-Based Phosphorus/Sulfur-Containing Flame Retardants in Epoxy Resin
P4	Paul Joseph Pyrolysis Combustion Flow Calorimetric Studies on Phosphorus-modified Polymers Based on Acrylonitrile
P5	Xue-Bao Lin An Efficient Halogen-Free Flame Retardant for PA6,T/D,T
P6	Kim Garth Phosphorylated Ethylamine and Thereon Based Flame Retardants
P7	Madeleine Müller Synthesis and Characterization of DOPO-Containing Itaconate Polyesters and Copolyesters
P8	Carl-Christoph Hoehne Synergists for Hexaphenoxycyclotriphosphazene in Cast PA6
P9	Melanie Aubert Disulfides - Effective Radical Generators for Flame Retardancy of Polypropylene
P10	Mathilde Casetta Combination of Guanidine Sulfamate and Melamine Polyphosphate to Flame Retarded Polyamide 6
P11	Cristina Carpanese Flame Retardant ABS Through Catalytic Charring: Comparison of Thermal Degradation Effect of Different Lewis Acid Metal Salts
P12	Jixing Xie Star Polyester as Nonmigrating Plasticizer for Flame Retardant Flexible PVC
P13	Sebastian Rabe High-Throughput Evaluation of Flame Retarded Polymeric Materials with the Rapid Mass Calorimeter
P14	Fumiaki Takahashi Laboratory-Scale Characterization of Intumescent Coatings for Structural Steel
P15	Fumiaki Takahashi Computation of Gas-Phase Interactions of Phosphorus-Containing Compounds with Cup-Burner Flames
P16	Simone Krüger Detection of Hydrogen during Smouldering of Furnishings in the Smoke Density Chamber
P17	Simone Krüger Fire Resistance of Photovoltaic Modules
P18	Sven Kaudelka Residential Fires – Influence of Modern Furniture on the Fire Development
P19	Frederik Rabe Experimental and Numerical Investigation of Enclosure Fires under Vitiated Conditions

P20	Bertrand Girardin Parameters Sensitivity of Pyrolysis Model: How to Characterize Input Data for Modeling? Case Study of EVA – ATH Formulation
P21	Fabio Cuttica Temperature Measurements During Cone Calorimeter Tests
P22	Abhishek Bhargava Using Distributed Activation Energy Model (DAEM) to Predict Mass Loss Rates (MLRs) in PMMA Material
P23	Renaud Dupretz Instrumentation of UL-94 Test: Understanding of Phenomena
P24	Melissa Matzen Influence of Flame Retardant Additives on the Dripping Behavior of Thermoplastic Polymers
P25	Kathryn Dickens Identification of Volatile Organic Compounds in Early Stages of Fire from Insulation Products
P26	Antonis Christou Release of Multi-Walled Carbon Nanotubes from Polymer Composites at Different Combustion Temperatures: Health and Environmental Evaluation
P27	Ashleigh Lyons Flammability and Combustion Toxicity of Polymer-CNT Nanocomposites
P28	Maryam Ghanadpour Production and Characterization of Phosphorylated Cellulose Nano-Fibrils as Flame Retardant Material
P29	Yongqian Shi Novel CuCo2O4/Graphitic Carbon Nitride Nanohybrids for Toxic Gas Release Suppression of Thermoplastic Polyurethane Nanocomposites
P30	Paolo Vollaro A New Graphene-Based Approach to Improve High Temperature Behavior of Aeronautical Components
P31	Abdelghani Laachachi Is Expanded Graphite Acting as Flame Retardant in Epoxy Resin?
P32	Bin Yu Influence of POSS on Thermal, Combustion Properties and Degradation Process of Epoxy Resins Containing Polyphosphazene
P33	Johanna Scoul “Grafting From” of Flame Retardant Polymers on Cotton via a PIGP Process
P34	Guadalupe Sanchez-Olivares Flame Retardant Properties of Semi-Finished Leather for Upholstery Uses
P35	Stéphane Giraud Synthesis and Characterization of Flame Retardant Polyurethane Formulation for Textile Coating Containing Lignin as Bio-Based Carbon Source
P36	Stéphane Giraud Study Of The Lignin / Ammonium Polyphosphate Ratio As Intumescent Formulation For Polyamide 11
P37	Sarah Deh Pyrolysis Mechanism of Phosphorus-Based Flame Retardant Systems and Correlating Effects

P38	Lale Sahin Influence of Application Conditions of a Phosphorus-Based Flame Retardant on the Stability Towards Washing of a Treated Textile
P39	Amandine Viretto Improving the Flame Retardancy of Flax Fabrics by Radiation Grafting of Phosphorus Compounds
P40	Jia En Low Towards Wash Durable Phosphoramidate Flame Retardants on Cellulose-based Cotton Textiles via Plasma-Induced Graft Polymerization (PIGP)
P41	Sara Eivazi Environmentally Sustainable Back-Coatings for Textiles: Current Bromine-Containing Formulations
P42	Xue Dong Vanillylidene Cyclohexanone-Containing Poly(Ethylene Terephthalate) Copolyester: Synthesis, Thermal Properties and Combustion Behavior
P43	Bert Kaebisch Impact of Cyclotriphosphazenes as Flame Retardants on the Foaming Behavior of Flexible PUR Foams
P44	Alessandra Lorenzetti Effect of Expansion Rate and Intercalation Compounds on Flame Retardancy of Expandable Graphite in Polyurethane Rigid Foams
P45	Zhi-Jie Cao Flame-Retarding Properties of Polyurethane Foams with Chemically Modified Graphene
P46	Oruc Koklukaya Flame Retardant Coating on Wood Fiber Based Materials via Layer by Layer Assembly
P47	Huajie Yin Comparing Different Routes to Halogen-Free Flame Retarded Wood Flour-Polypropylene Composites
P48	Eugenia Spiropoulou Four Point Bending Test of Aluminium Composite Panels with Fire Retardant and PolyEthylene Cores
P49	Pietro Di Modica A Rapid Route to the Development of Composite Passive Fire Protection Systems for Steel Structures
P50	Sandra Christke Multilayer Metal Laminate Fire Protection
P51	Peter Ooms The Use of ATH in Thermosets Gives the Material Superior Characteristics in Flame Retardance
P52	Nima Esmaeili Investigation of the Mechanism of Synergism of Zinc Stannates with Flame Retardants in Selected Polymers
P553	Fiona Hewitt Microscale Analysis and Modelling of Mineral Acetates for Studying the Thermal Decomposition of Ethylene Vinyl Acetate (EVA) with Mineral Filler
P54	Stefan Ultsch Polyolefin Compounds from New Elastomers with Excellent Fire Performance

P55	Olivier Herscher Development of a New Dispersant Suitable for ATH to Obtain a Fire Resistant Polyester Composite
P56	Bettina Dittrich Halogen-Free Flame Retarded Styrene-Ethylene-Butylene-Styrene-Copolymers: Mission Impossible?
P57	Salvatore Pappalardo Flame Behavior and Processability of Polypropylene Based Formulations
P58	Liang-Ping Dong A Novel and Highly-Efficient Char-Forming Agent for Intumescent Flame-Retardant EVA
P59	Michael A. Delichatsios Comparison of Flammability Behaviours of High Impact Polystyrene with Brominated Flame Retardant or Intumescent Coatings
P60	Beáta Szolnoki Flame Retardancy of Bioepoxy Formulations – Synergistic Effect between APP and RDP
P61	Ronny Hanich Recycling of Flame Retardants of Flexible Polyurethane Foam via Glycolysis
P62	Xiao-Lin Wang Flame Retardant Self-Adhesive Materials Derived From Epoxidized Soybean Oil and Phosphorous-Containing Fatty Acid Derivatives
P63	Nicolas Lesaffre Ageing of Flame Retarded PLA
P64	Lucie Costes Additive and Reactive Combinations of Cellulose and Phosphorus as Flame Retardant Agents for Poly(Lactic Acid)