

Assigned Presentation	Reference Author	Reference Number	Abstract Title	Country
Oral	ABAKAR ADAM, OMAR	S03-12	Design, structuration and rheological properties of Laponite based polymeric nanocomposites	Chad
Oral	Abdollahi, Serveh	S02-380	Structural and electrochemical properties of PEO/PAN/graphene nano-fibrous blends	Iran
Oral	ADHIKARY, MUNESH	S08-116	Effect of mixing sequence on the fibrillation of thermo tropic liquid crystalline polymer in the blend system in presence of graphene	India
Oral	Agassant, jean-françois	S03-215	Rheology of industrial plastisol formulations	France
Oral	Ahmadi, Shervin	S01-48	Synergistic effect of fire retardant additives on fire behavior of cross-linkable polyolefin compounds toward intumescent compounds	Iran
Oral	Al Aiti, Muhannad	S05-442	Structural properties of high and ultrahigh strength polyacrylonitrile-based, ultrahigh modulus mesophase pitch-based and high ductility pitch-based carbon fibers studied by Raman spectroscopy, WAX and SAX techniques	Germany
Oral	Al Rahhal, Samer	S09-448	Melt spinning and characterization of matrix blend based on polypropylene and ethylene-octene copolymers modified by high energy electrons	Germany
Oral	Alig, Ingo	S08-360	Influence of carbon particle dimension on formation of the filler network in a polymer melt	Germany
Oral	Altmann, Dominik	S03-212	SIMULATION OF THE MELTING BEHAVIOUR IN AN INJECTION MOULDING PLASTICIZING UNIT COMPARED WITH PRESSURE AND ULTRASOUND MEASUREMENTS	Austria
Oral	Altstaedt, Prof. Dr.-Ing. Volker	S05-174	Radiation-based pre-foaming of expandable polystyrene beads (EPS)	Germany
Oral	Andretzky, Michael	S06-339	A new joint product made of PCM and plastic for application in water-powered heat storage systems manufactured by a coextrusion process	Germany
Oral	Anger, Karsten	S06-363	Construction of a pipe support with overmoulded metal insert	Germany
Oral	Anthony, David	S05-400	Crack Arrest In Finger Jointed Thermoplastic Polyethersulfone Film Interleaved Carbon Fibre Reinforced Composites	UK
Oral	Aussawasathien, Darunee	S05-32	Bifunctional Electrospun Silver Modified Polyarylonitrile-Activated Carbon Composite Fibers	Thailand
Oral	Babenko, Maksims	S06-351	Study of the factors affecting heating mechanism in ultrasound microinjection moulding	UK
Oral	Bai, Jinbo	S08-302	The Influence of Thermal Treatments on Dielectric Behaviors of Carbon Nanotubes-BaTiO <sub>3</sub> Hybrids Reinforced Polyvinylidene Fluoride Composites	France
Oral	Bajpai, Ankur	S04-128	Tailored epoxy system modified with block co-polymer, core shell rubber and hybrid: mechanical properties and fracture mechanisms.	Germany
Oral	Banerjee, Ritima	S05-97	Properties and Foamability of Styrene-Ethylene-Butylene-Styrene (SEBS)/ Polystyrene (PS) Blends	India
Oral	Banerjee, Shib	S09-109	INFLUENCE OF REACTIVE PROCESSING ON NANOMECHANICAL PROPERTIES OF POLYAMIDE 6 AND ITS BLENDS	Germany
Oral	BARBARA, Imane	S05-313	Synthesis of porous polymers by emulsion templated step-polymerization	France
Oral	Baumgarten, Fabian	S06-381	Waste heat utilization for granulate preheating in extrusion processes to increase energy efficiency	Germany
Oral	Bayazian, Hoda	S11-185	Degradation of Bimodal Distribution Polypropylene and Polyethylene during the Extrusion Process	Germany
Oral	Benz, Johannes	S01-139	Reactive Extrusion of PA6 - Different ways to increase the viscosity	Germany
Oral	Benz, Johannes	S14-138	Temperature Induced Ageing of PA12 Powder During Selective Laser Sintering Process	Germany
Oral	Berger, Gerald	S06-314	A study on cooling performance in injection molding. Heat conductive mold materials versus conformal cooling channels.	Austria
Oral	Beuermann, Sabine	S09-407	Polymer electrolyte membranes from pre-irradiation induced graft copolymerization on ETFE	Germany
Oral	BICER, EZGI	S04-277	PROPERTIES OF CROSSLINKED POLYETHYLENE/Oib-POSS NANOCOMPOSITES:"Effect of peroxide concentration"	Turkey
Oral	Blanco-Villalba, José	S08-434	Improving the Processability of Graphene Nanoplatelets in Polyamide 6 during Melt Compounding Extrusion	Germany
Oral	Boldt, Regine	S09-1	Process-induced Morphology and Mechanical Properties of HD-PE	Germany
Oral	Bolvardi, Beleta	S10-256	Superhydrophobic and superoleophilic meshes coated by PDMS/ZnO nanocomposites for oil/water separation	Iran
Oral	Bonse, Baltus	S01-366	Glycerol as plasticizer in PVC	Brazil

Oral	Boorla, Srinivasa Murthy	S06-310	Capability database of injection moulding process-requirements for wider suitability and higher acceptance	Denmark
Oral	Brandley, Eileen	S08-396	Alignment study of CNT veils and the influence on their composites	UK
Oral	Bruchmüller, Matthias	S06-176	Mechanical Property Model for Fiber Filled Thermoplastics Incorporating Surface Tension	Germany
Oral	Brueckner, Eric	S12-350	CLINCHING AND TORSIONAL ULTRASONIC WELDING - AN INNOVATIVE PROCESS COMBINATION FOR JOINING METAL-POLYMER HYBRID STRUCTURES	Germany
Oral	Burgfeld, Michael	S06-323	Development of a new measurement concept for the process-oriented characterization of rheological material properties	Germany
Oral	Burgstaller, Christoph	S02-143	The influence composition on the properties of polyethylene based blends	Austria
Oral	Büttler, Judith	S04-210	Investigation of the interface of polyamide-polypropylene laminates	Austria
Oral	Caba, Stefan	S04-76	Application of desert sands as reinforcing material for polymer concrete	Germany
Oral	CAN, BUSE	S01-67	PBAT/Thermoplastic Starch Blend: "Concentration of OTPS & comparison with TPS"	Turkey
Oral	Cano, Santiago	S02-251	Development of highly-filled polymer compounds for fused filament fabrication of ceramics and solvent debinding	Austria
Oral	Cardon, Ludwig	S02-357	Strain sensor with selectively distributed filler network in conductive polymer composites	Belgium
Oral	Cassagnau, Philippe	S02-131	Efficient hydrosilylation reaction in polymer blending: An original approach to structure PA12/PDMS blends at multiscales	France
Oral	Castro, Jose	S08-324	ULTRASONIC PROCESSING OF MULTIFUNCTIONAL EPOXY COMPOSITE REINFORCED BY LOW-COST MWNT NANOPAPER	USA
Oral	Celik, Oguz	S01-225	A Novel Experimental Setup for Characterization of Dispersive Mixing in Single-Screw Extruders	Germany
Oral	Chatterjee, Tuhin	S07-94	High Performance Thermoplastic Vulcanizates based on Carboxylated Acrylonitrile Butadiene Rubber and Polyamide 12	India
Oral	Chen, Chung-Hao	S02-412	Lamellar assembly of Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) Spherulites Crystallized with Poly(Vinyl Methyl Ether)	Taiwan
Oral	Chen, Lei	S01-343	Exfoliation of layered zirconium phosphate nanoplatelets by melt compounding	China
Oral	Chen, Ning	S14-365	Fused Deposition Modeling of Poly(vinyl alcohol) Based Filaments	China
Oral	Chen, Yinghong	S06-328	Preparation and Microinjection Molding of Polyoxymethylene/Molybdenum Disulfide Nanocomposite	China
Oral	Choong, Gabriel	S08-305	Challenges to the industrial melt-processing of conductive plastics: can post-processing produce cost-effective conductivity uplifts?	UK
Oral	Clancy, Adam	S08-318	Longer Single-Walled Nanotubes for Tougher Composites – Solution Processing and Assembly	UK
Oral	Coates, Phil	S13-88	Property distribution and property gradient polymer products for enhanced functionality	UK
Oral	Colonna, Samuele	S08-140	In-situ polymerization of poly (butylene terephthalate) in presence of graphene-related materials: effects of nanoparticles structure and defectiveness on crystallinity and thermal conductivity of the relevant nanocomposites	Italy
Oral	Constantinou, Marios	S12-326	Infrared welding of continuous fibre-reinforced thermoplastics – Investigations on overlapping joints	Germany
Oral	Cordin, Michael	S04-149	Properties of Lyocell-Polypropylene Composites	Austria
Oral	Costa, Franco	S03-348	Modeling of Injection Overmolded Stamp Formed Thermoplastic Composites	Australia
Oral	Covas, Jose	S14-430	Polyetheretherketone hybrid nanocomposite filaments for 3D printing	Portugal
Oral	Das, Anuja	S10-236	Morphological Stability of Nanoparticles Containing Polymer Blends and Bilayer Thin Films	India
Oral	DAS, CHAPAL	S12-135	Effects of Vibration welding process parameters on the weldability of the thermoplastics	India
Oral	Daver, Fugen	S08-213	Enhanced Mechanical Properties of Carbon Monoxide Reduced Graphene/Polyamide 6 Nanocomposites	Australia
Oral	Delva, Laurens	S02-271	Compatibilization of PET-PE blends for the recycling of multilayer packaging foils	Belgium
Oral	Demir, Merve	S05-36	Effect of trisamide based nucleating agents on the morphology and mechanical properties of isotactic polypropylene foams	Germany
Oral	Derradji, Mehdi	S04-102	Highly filled boron nitride-phthalonitrile nanocomposites for exigent thermally conductive applications	China
Oral	Domurath, Jan	S03-101	Viscosity amplification in dilute suspensions of rods in a Carreau matrix fluid	Germany

Oral	Düngen, Matthias	S06-75	Characterization of Bulk Materials for Single Screw Extrusion by Means of Fluidization Testing	Germany
Oral	Eaton, Matthew	S08-361	Nanoprobe Investigations of Viscoelastic Behavior in Elastomeric Nanocomposites	USA
Oral	Egoshi, Kentarou	S05-92	The evaluation of biaxial stretchability of polypropylene films by a newly developed test machine	Japan
Oral	El Fray, Miroslawa	S13-134	Electrospinning of spring-like fibres from elastomeric copolyesters	Poland
Oral	Eladl, Abdelkhalik	S06-383	Investigation on the influences of injection moulding process parameters on the short-shot filling of polymeric micro features	Denmark
Oral	ENOMOTO, Kazuki	S08-148	Effect of UV-enhanced Oxidation on Tensile Strength of Carbon Nanofiber Reinforced Polyamide 11	Japan
Oral	Esfandeh, Masoud	S04-387	Preparation, Mechanical Properties and Moisture Absorption of Urethane Acrylate Resin/Clay Nanocomposites	Iran
Oral	Essig, Wolfgang	S11-9	Non-destructive Testing of 3D-Hybrid Components using Air-coupled Ultrasound	Germany
Oral	Farshchi, Negin	S07-80	Hansen Solubility Parameters as a tool to evaluate the compatibility potential of Rubber Process oils (DAE, TDAE, MES, and NAP)	Iran
Oral	Fernandez-Blazquez, Juan P.	S08-397	POLAR POLYMORPHS CHARACTERIZATION BY SYNCHROTRON X-RAY DIFFRACTION OF ANNEALED CNT FIBRE/PVDF COMPOSITES	Spain
Oral	Fernández-Toribio, Juan	S08-398	Multifunctional properties of carbon nanotube fibres	Spain
Oral	Fisher, Sandra	S08-335	Rapid quantitative mapping of multi-walled carbon nanotube concentration in nanocomposites	UK
Oral	Focke, Walter	S08-181	Polyethylene-graphite composites: Comparing cone calorimeter and micro-flammability test results	SouthAfrica
Oral	Formisano, Benjamino	S01-85	Compounding Anionic Polymerized Polyamide 6 Using Terephthalic Acid	Germany
Oral	Friesenbichler, Walter	S03-309	Viscosity Measurements for Rubber Compounds using Slit-die Rheometry	Austria
Oral	Garmabi, Hamid	S02-411	Improvement of rheological and mechanical properties of PLA by reactive blending with Poly(MMA-g-GMA)	Iran
Oral	Geyer, Alexander	S06-290	Enhancing the Weld Line Strength of Injection Molded Components by Means of a new Molding Tool Technology	Germany
Oral	Geyer, Alexander	S11-89	Material Characterization in the Injection Molding Process	Germany
Oral	GHOSH, ANUP	S05-114	Controlled foam processing and cell structure development of gamma irradiated polypropylene/elastomer blends	India
Oral	Gigante, Vito	S02-207	Extruded blends of PLA and PBAT: correlation between com-position and fracture behaviour	Italy
Oral	Girginer, Burcu	S03-334	Extrusion and Injection Molding Nanocellulose - Polypropylene Nanocomposites: Critical Processing Aspects	Turkey
Oral	Goebel, Linda	S02-155	Development of a Block Copolymer for Impact Modification of Polyhydroxyalkanoate (PHB)	Germany
Oral	Golebiowski, Jacek	S04-438	Polymeric CNT composites: atomistic simulations of interfacial properties	UK
Oral	Goris, Sebastian	S05-336	Experimental Study of Fiber Length Reduction of Highly Filled Long Glass Fiber-Reinforced Polypropylene in a Simple Shear Flow	USA
Oral	Göttermann, Svenja	S01-99	Modified polylactide with improved properties for extrusion foaming	Germany
Oral	Greco, Antonio	S01-299	Cardanol derivatives as effective plasticizers for polylactic acid	Italy
Oral	Green, Micah	S14-194	Welding of 3D Printed Carbon Nanotube-Polymer Composites by Locally Induced Microwave Heating	USA
Oral	Greiner, Sandra	S14-457	A new approach for getting more homogeneous Temperature Fields in Selective Laser Sintering	Germany
Oral	Gulsozlu, Gurcan	S06-320	Investigation of The Relationship IR Heating and Injection Molding Parameters of Composite Laminates Which Shaped by Overmolding Technique	Turkey
Oral	Gupta, Rahul	S03-367	Effects of morphology and rheology on Nylon 6 glass fibre composites	Australia
Oral	Hajian, Alireza	S08-359	Functional Nanocomposites Based on Cellulose and Carbon Nanotubes	Sweden
Oral	Hajiraissi, Roozbeh	S03-21	Linear and Non-Linear Visco-elastic Behavior of Fibrillar Morphology Formed via Fiber Spinning of PP/PA6 Blend	Germany
Oral	Hamidinejad, S. Mahdi	S08-278	Thermally Conductive Microcellular Polymer Nanocomposites of Graphene Nanoplatelets (GnP)	Canada
Oral	Handge, Ulrich	S05-223	Open-celled foams based on diblock copolymers: Influence of melt elongational properties on foam morphology	Germany
Oral	Hartmann, Robert	S04-182	Tailored Wood Strand Plastic Composites for High Performance Applications	Germany
Oral	HAUDIN, JEAN-MARC	S03-186	Shear-induced crystallization of polymers: discussion on the coupled mechanical and structural effects	France

Oral	Hebda, Michael	S14-172	Control of Fused Deposition Modeling Melt Extrusion and Laydown	UK
Oral	Heiderich, Gilmar	S06-38	Fiber Length Reduction During Injection Molding	Germany
Oral	Heim, Hans-Peter	S06-153	Integration of Electrochromic Devices in Plastic Parts by Injection Moulding	Germany
Oral	Heinisch, Julian	S06-249	Online analysis of melt viscosity during injection moulding with a hot runner rheometer	Germany
Oral	Heyn, Johannes	S01-209	INTERACTION BETWEEN COOLANT, POLYAMIDE 6.6, GLASS FIBERS AND ADDITIVES	Germany
Oral	Heyn, Johannes	S02-178	STRUCTURE PROPERTIES RELATIONSHIPS OF PA6/EOR BLENDS	Germany
Oral	Heyne, Ulrich	S06-391	Injection mouldings consisting of a thermosetting plastic and an elastomer -Characterisation of the adhesion mechanisms on joined thermosetting plastic / elastomer composites	Germany
Oral	Hirschfeld, Stefan	S06-208	Bubble-free Polymer Devolatilization in a Simplified Extruder Model	Germany
Oral	Hofmann, Karoline	S12-382	Joining polycarbonate - manufacturing and evaluation of transparent joints using an innovative, objective test method	Germany
Oral	Hristov, Velichko	S01-41	Melt homogenization in co-rotating twin-screw extruders: Design of a novel kneading disk	Austria
Oral	Hrymak, Andrew	S06-64	Microinjection molding of carbon filled polypropylene nanocomposites: the effect of filler type on electrical and morphological properties of micro-moldings	Canada
Oral	Hutterer, Thomas	S07-238	Simulative and experimental investigation of productivity improvements obtained through Rapid Heat Cycle Molding of different Rubber Compounds	Austria
Oral	Istrate, Oana	S08-466	The effect of graphene flake diameter on the performance of anti-corrosion coatings	UK
Oral	Ito, Hiroshi	S06-93	Evaluation of Physical Properties and Surface Microstructures Replication of Liquid Silicone Rubbers Obtained by Reactive Injection Molding	Japan
Oral	Ivaneiko, Ievgeniia	S03-449	APPLICATION OF MULTI-SCALE APPROACH TO RUBBERS REINFORCED AT DIFFERENT PROCESSING CONDITIONS	Germany
Oral	Jakob, Bernd	S03-46	Following Phase Transitions with Rheometry and Simultaneous Raman-Spectroscopy	Germany
Oral	Javadi, Azizeh	S01-439	EFFECT OF BLENDING METHODS ON MECHANICAL PROPERTIES OF PS/TPU BLENDS	Iran
Oral	Javadi, Azizeh	S05-246	The effect of Nano calcium carbonate on mechanical properties, crystallinity and Foam ability of PLA/Starch/ Epoxidized Soybean Oil (ESO) blends	Iran
Oral	JENA, KISHORE	S08-319	Morphology and Mechanical Properties of Elemental sulfur Reinforced Nylon-12 / Multi-walled carbon nanotubes (MWCNTs) Composites	UAE
Oral	JENA, KISHORE	S08-369	Morphology and Mechanical Properties of Elemental sulfur Reinforced Nylon-12 / Multi-walled carbon nanotubes (MWCNTs) Composites	UNITED ARAB EMIRATES
Oral	Joas, Sebastian	S11-26	CFRP pipe inspection by using air coupled ultrasound	Germany
Oral	Kahl, Christian	S04-222	Advanced short fiber composites with hybrid reinforcement based on glass and cellulose fibers – Effect of coupling agent on mechanical properties	Germany
Oral	Kamal, Muhammad Shahzad	S03-123	Rheological properties of polyacrylamide and amido amine-based cationic gemini surfactant solutions	SaudiArabia
Oral	Kamal, Musa	S04-338	The Characteristics of Polyethylene Nanocomposites Incorporating Cellulose Nano Crystals (CNC)	Canada
Oral	Kanai, Toshitaka	S05-144	Dynamics and structure development for biaxial stretching PA6 films	Japan
Oral	Kardan, Nazanin	S02-450	Shapememory behavior of nanocomposite based on SBS/LLDPE/CNT	Iran
Oral	Karlsson, Kristina	S05-166	Extrusion parameters optimisation for foaming of hydroxypropyl methylcellulose	Sweden
Oral	Kassos, Nikolaos	S02-250	Investigation of PLA-biopolymer Blends to Improve Properties	UK
Oral	Kast, Oliver	S06-161	Effects of Pellet Characteristics and Feed Zone Design on the Output of Grooved-feed Extruders at High Screw Speeds	Germany
Oral	Kaut, Franziska	S14-288	Structure-property relationship of additive manufactured thermoplastic polymers processed with Arburg Freeformer	Germany
Oral	kchit, Nadir	S08-214	Strategies for Carbon Nanotubes Incorporation in Structural Composites	Belgium
Oral	Kelly, Adrian	S13-436	Investigation of immiscible polymer blends to control drug release rate of polymeric pharmaceutical compounds	UK
Oral	Kenig, Samuel	S08-98	Orientation Development of Nanotubes During Processing of Polymer Nanocomposites	Israel

Oral	Kettemann, Jochen	S06-180	Experimental Investigation and Improved Modeling of the Melting Process in Single-screw Extruders with a Grooved Plasticizing Cylinder	Germany
Oral	Khodabakhshi, Khosrow	S01-263	Mechanical properties of plasticized poly (lactic acid) with epoxydized soybean oil	Iran
Oral	Khonakdar, Hossein Ali	S02-230	Rheological and morphological correlations in PP/EVA blends containing nanoclay in presence of a halogen-free flame retardant	Germany
Oral	khonakdar, hosseinali	S01-20	Effect of surface modification on thermal properties of paraffin/copper oxide Nanocomposite	Germany
Oral	Kiehle, Christin	S07-22	Morphology-Property-Relationships of SEBS/PP Compounds for medical application	Germany
Oral	Kihara, Shin-ichi	S08-200	Development of Polymer Composites Containing Nano-carbon Materials by the High Pressure Fluid Mixing Method	Japan
Oral	Kneidinger, Christian	S06-433	The Behavior of Bulk Solids in the Solids Conveying Zone of Smooth Barrel Single Screw Extruders: Friction, Bulk Density and Pressure Anisotropy	Austria
Oral	Knöchel, Johannes	S14-286	Fatigue crack growth propagation in 3D-printed polymer structures – a comparison of different additive manufacturing technologies	Germany
Oral	Kodal, Mehmet	S04-91	The Effects of Surface Modification of MWCNTs with Hexanol on the Non-isothermal Crystallization Kinetics of Poly(butylene succinate)	Turkey
Oral	Konagaya, Shigeji	S04-119	Study on effect of organic compounds with OH group on conductivity enhancement of poly(3,4-ethylenedioxythiophene) doped with poly(styrene sulfonic acid) (PEDOT:PSS)	Japan
Oral	Koslowski, Tristan	S06-55	Shrinkage, Warpage And Residual Stresses Of Injection Molded Parts	Germany
Oral	Koysuren, Ozcan	S04-3	Immobilization of TiO <sub>2</sub> Nanoparticles in PMMA Nanofiber Mat for Photocatalytic Removal of Dyes from Water	Turkey
Oral	Kreutzbruck, Marc	S06-459	Comparison of Different Ultrasonic Methods for Weld Line Characterization	Germany
Oral	Krinichnyi, Victor	S02-315	Spin-correlated charge transfer in low-band-gap copolymer composites	Russia
Oral	Kröning, Katharina	S08-384	Functionalization of carbon nanotubes (CNTs) by using different oxidative agents and characterization with regard to functionalization efficiency	Germany
Oral	Kuksanov, Nikolay	S09-372	DC High Power Electron ELV Accelerators for Polymer Treatment	Russia
Oral	Küng, Florian	S13-231	Influence of the molar mass on the suture retention properties of polycaprolactone	Germany
Oral	KURT DEMIR, GULSEN	S03-276	PEROXIDE CROSSLINKING OF LINEER LOW DENSITY POLYETHYLENE	Turkey
Oral	Kurth, Katharina	S06-461	Improvement of the Reproduction Accuracy of a Defined Pole Length of Injection Molded Encoder Wheels	Germany
Oral	Kutscha, Larissa	S10-84	Determination of influencing factors on adhesion and surface quality in UV-based in-mold coating process of BMC	Germany
Oral	Labuschagne, Johan	S04-426	Layered Double Hydroxide Applications - Industry vs Research	SouthAfrica
Oral	Lamnawar, Khalid	S06-354	Multi-scale investigation and fundamental studies on interface/interphase in multilayered polymer systems towards better controlling coextrusion process (for Keynote presentation)	France
Oral	Landsecker, Kai	S04-77	Investigation on the Thermoformability of Heat Conductive Polymers	Germany
Oral	Längauer, Manuel	S05-232	Study of infrared sheet heating for thermoforming fibre-reinforced thermoplastic composite parts	Austria
Oral	Langlotz, Martin	S06-240	Single Screw Foam Extrusion with Low Pressurized Blowing Agents	Germany
Oral	Laufer, Nico	S03-43	Effects of interparticle interactions on the flow behaviour of low density polyethylene filled with various fillers	Germany
Oral	Launhardt, Martin	S14-458	Developing a patient individualized flexible silicone implant using SLS and vacuum die casting	Germany
Oral	Lee, Woo Il	S06-347	SIMULATION OF THE MOLD STRUCTURE FOR REDUCING CAVITY FILLING DEVIATION IN MICRO INJECTION MOLDING	SouthKorea
Oral	Lellinger, Dirk	S08-437	Fabrication and properties of electrically conductive bicomponent fiber	Germany
Oral	Lenzi, Veniero	S03-428	Molecular Dynamics simulations of isocyanate-based molecules viscosity	Portugal
Oral	Leuteritz, A.	S04-415	Polyamide GnP nanocomposites for permeation control	Germany
Oral	Leuteritz, Andreas	S05-414	Cyclic testing of polyurethane foam of plastic jacket pipes for district heating	Germany
Oral	Leuteritz, Andreas	S06-392	Lifetime estimations of a TPU-metal composite subjected to thermal loads	Germany

Oral	Li, Qianqian	S08-404	Lightweight metal composites reinforced by surface-decorated nanocarbon	UK
Oral	Liao, Xia	S05-13	Crystals in-situ induced by supercritical carbon dioxide as bubble nucleation agents on foam structure controlling of poly(L-lactic acid)	China
Oral	Lopes, Paulo	S08-403	Advanced Electrically Conductive Adhesives for High Complexity PCB Assembly	Portugal
Oral	Luger, Hans-Jürgen	S01-147	Influence of the screw configuration in a co-rotating twin screw extruder on the rheological and mechanical properties of a talc-reinforced polypropylene	Austria
Oral	Lugito, Graecia	S02-378	Mechanisms of Dual Spherulitic Morphology in Poly(L-lactic acid) Induced by Amorphous Polymer	Taiwan
Oral	Lund, Anja	S08-353	Electrically conducting CNT/polymer composites towards 3D-printed electronics	Sweden
Oral	Ma, Chen	S04-60	Processing of electromagnetic interference shielding water-borne polyurethane composites filled with silver nanoparticles deposited on functionalized graphene	Taiwan
Oral	MA, Sai	S06-193	Visualization Analysis on Reciprocating Plastication Process of Glass Fiber Reinforced Resin by Glass-inserted Heating Cylinder	Japan
Oral	Ma, Yuxiao	S08-216	Freestanding mesoporous three-dimensional graphene bulk prepared by chemical vapor deposition on sacrificial Cu nanopowder sinter templates	China
Oral	Maazouz, Abderrahim	S02-355	Melt strengthening of poly (lactic acid) and its blends: Shear and elongation rheological investigations for forming process ( for Keynote)	France
Oral	Macheca , Afonso	S04-289	Stiffening mechanisms in vermiculite-amorphous polyamide bio-nanocomposites	SouthAfrica
Oral	Maji, Pradip	S04-122	Cellulose Nanomaterials: A Natural Biopolymer as Sustainable Material for Future	India
Oral	malekmohammad, melika	S02-25	Compatibilization effect of Silica nano particles on Rheology, morphology and mechanical properties of immiscible PA6/LDPE blends	Iran
Oral	Manas-Zloczower, Ica	S08-81	Fatigue and Structural Health Monitoring of Delamination in Composite Materials	USA
Oral	Masato, Davide	S06-406	Flow visualization of thin-wall injection molding and effect of mold coatings	Italy
Oral	Maubane, Lesego	S02-196	Development of highly functional butyl –etherified starch/ poly [(butylene succinate)-co-adipate] nanocomposites using reactive extrusion	SouthAfrica
Oral	McGarrigle, Cormac	S05-39	Effect of Extrusion Parameters and Nanofillers on Mechanical Properties of PEEK Stitching Yarns.	UK
Oral	Meeuw, Hauke	S08-377	Development of a colored GFRP with antistatic properties	Germany
Oral	Mehranpour, Milad	S05-132	Preparation Of Intelligence Barrier Films Based On Low Density Poly Ethylene And Evaluation Of Its Properties	Iran
Oral	Mehranpour, Milad	S08-287	Compatibilizing of PP/NBR Immiscible Blend Using Modified Nano Graphene Oxide	Iran
Oral	Mehranpour, Milad	S08-301	Hybrid nanocomposite as strain sensor on the base of SBS/CNT/RGO	Iran
Oral	Memarian, Farzaneh	S02-295	Development of shape memory polymers based on TPU/ABS blends containing MWCNT	Iran
Oral	Mhike, Washington	S08-279	Antistatic and Flame Retardant Rotomouldable Polymer Graphite Nanocomposites	SouthAfrica
Oral	MIETHLINGER, JUERGEN	S06-127	Investigations of starved-fed grooved barrel single screw extruders in industry-standard output ranges	Austria
Oral	Miethlinger, Jürgen	S06-162	The SPLINE polymer extruder concept - A novel grooved barrel single screw extruder	Austria
Oral	Mikhailchan, Anastasiia	S08-368	Nanoscale chemical imaging as an advanced tool for carbon nanotube fibre nanocomposite engineering	Singapore
Oral	Mitsoulis, Evan	S03-58	NUMERICAL SIMULATION OF PLASTIC SHEET SOLIDIFICATION BY USING CHILLING ROLLS	Greece
Oral	Mörl, Michaela	S04-35	Influence of 1,3,5-Benzenetrisamide Based Additives on the Morphology and Mechanical Properties of Isotactic Polypropylene	Germany
Oral	Moschopoulou, Eleni	S08-435	The Effect of Modified Graphene Variants on Physical, Mechanical and Thermal Properties of PP Composites	UK
Oral	Mostafa, Abdelhamid	S01-173	The Influence of Mixing Parameters on the Properties of Micron-sized Blast Furnace Slag Filled PP Compounds	Austria
Oral	Mostafaiyan, Mehdi	S03-371	A New Implementation of the Surface Tension Force to Reduce the Spurious Currents in Two-Phase Flow	Germany
Oral	Muiambo, Herminio	S04-308	Flame retardant properties of polymer composites of urea complex of magnesium and vermiculite	Mozambique

Oral	Mukherjee, Rabibrata	S10-234	Confinement Induced Ordering of Phase Segregated Domains in Polymer Blend Thin Film	India
Oral	Müller, Michael	S08-374	Nanostructured Glass Fibre Sensor Yarns for Structural Health Monitoring	Germany
Oral	Muñoz Sánchez, Jaime	S03-306	Viscoelastic Effects on the roll-separating force and power input on the Calendering Process of a Non-Newtonian Fluid	Mexico
Oral	Mys, Nicolas	S14-244	Effects and optimization of processing parameters in fabrication of polyphenylsulfone microspheres via spray drying	Belgium
Oral	Nadiv, Roey	S08-31	Optimal Performance of Nano-carbon Polymer Composite: Dimensionality Matters	Israel
Oral	Naguib, Hani	S05-118	SHOCK DAMPING PROPERTIES OF OUT-OF-PLANE REINFORCED COMPOSITES WITH FUNCTIONALLY GRADED SYNTACTIC FOAMS	Canada
Oral	Naguib, Hani	S07-121	Novel polyurethane elastomeric composites reinforced with Alumina, Aramid, and poly(p-phenylene-2,6-benzobisoxazole) short fibers, development and characterization of the thermal and dynamic mechanical properties	Canada
Oral	Naguib, Hani	S08-120	Evaluation of the Fracture Resistance of Epoxy-Carbon Nano-Composites	Canada
Oral	Nair, Karthik	S06-237	Manufacturing and characterisation of lidocaine films prepared by hot melt extrusion.	UK
Oral	Naveh, Naum	S10-342	Physical coloring of multilayered elastomeric structures	Israel
Oral	Nazockdast, Hossein	S08-408	Rheologically determined the role of nanoparticle geometry on the morphological evolution of ABA block copolymers	Iran
Oral	Neubig, Benjamin	S06-460	Thermoforming – Determining Temperature Profiles Across Sheet Thickness by Pyrometric Measurements	Germany
Oral	Nishitani, Yosuke	S04-37	Effect of Addition of Filler on the Tribological Properties of CF/PEEK Composites	Japan
Oral	Nobile, Maria	S08-280	Rheological and dynamic mechanical behavior of epoxy resins filled with multiwalled carbon nanotubes and graphene-based nanoparticles	Italy
Oral	NOFAR, Mohammadreza	S02-228	Development of PLA/PBAT and PLA /PBSA bioblends: Effects of processing type and PLA crystallinity on morphology and thermomechanical properties	Turkey
Oral	NOFAR, Mohammadreza	S05-227	Continuous foam extrusion of high impact polystyrene (HIPS): Effect of processing parameters and blowing agent type and content	Turkey
Oral	Noorzai, safiya	S13-321	Optimization of collagen extraction from various cattle species hide by comparative methods	NewZealand
Oral	Noorzai, Safiya	S13-86	Optimization of collagen extraction from various cattle species hide by comparative methods	NewZealand
Oral	Ojijo, Vincent	S01-298	Water assisted extrusion of PA/South African Bentonite nanocomposites: a process cost saving perspective	SouthAfrica
Oral	Onken, Jakob	S06-57	Integrative simulation of weld line strength in unreinforced amorphous thermoplastics	Germany
Oral	Otady, Maryam	S02-341	Influence of Glass flake nanoparticles on thermal and dynamic mechanical properties of PP/EVA blends: Correlation with microstructure	Iran
Oral	Pachner, Sophie	S06-152	Smart Data Analysis for optimized Manufacturing of Powder Coatings on Co-rotating Twin Screw Extruders	Austria
Oral	Paiva, Maria	S04-284	Nanostructured films of natural polymers and graphene derivatives	Portugal
Oral	Paleo, Antonio	S08-452	Solid-state carbon-based textile supercapacitors for energy storage applications	Portugal
Oral	Paolucci, Fabio	S06-456	In-situ X-ray analysis during Flash DSC experiments: study of isothermal crystallization and phase transformation of Polyamide 12	Netherlands
Oral	Park, Chul	S05-300	Strain-induced Crystallization of PLA and PP in Extrusion	Canada
Oral	Pawelski, Christin	S04-199	Effect of filler type, morphology and particle size distribution on thermal and flame retardant properties of bimodal Boron Nitride & Boehmite-filled EP-Novolac composites	Germany
Oral	Pflock, Tobias	S11-165	DIELECTRIC ANALYSIS FOR ONLINE CURE MONITORING: CORRELATION WITH THERMAL AND RHEOLOGICAL PROPERTIES OF EPOXY RESINS	Germany
Oral	Pircheraghi, Gholamreza	S05-124	Assessment of Particles Interface Welding Quality in Microporous Structures Fabricated by Sintering Process	Iran
Oral	Porsch, Alexander	S06-417	Knowledge-based Material Selection for injection-molded, thermoplastic Parts	Germany
Oral	Pospiech, Doris	S04-322	Improved flame retardancy for poly(butylene terephthalate) with phosphorus-containing polyesters	Germany
Oral	Praher, Bernhard	S11-198	Inline melt homogeneity measurement in injection molding	Austria

Oral	Radusch, Hans-Joachim	S04-105	Deformation behavior of polylactide relating to plastic forming processes	Germany
Oral	Ragaert, Kim	S01-247	Upcycling contaminated post-industrial PP through compounding: a Design from Recycling case study.	Belgium
Oral	Rahammer, Markus	S11-61	Local Defect Resonance Excitation Thermography for Damage Detection in Plastic Composites	Germany
Oral	Ramakers-van Dorp, Esther	S06-104	A new approach to model thermal expansion of semi crystalline polymers.	Germany
Oral	Raps, Daniel	S03-163	Rheological behaviour of a high melt strength polypropylene at elevated pressure and gas-loading	Germany
Oral	Rath, Dieter	S05-275	Fine-tuning the properties of Expandable Polystyrene (EPS)	Germany
Oral	Regev, Oren	S08-18	Stronger Cement	Israel
Oral	Régnier, Gilles	S06-125	Mechanical Characterization of Frontal and Flowing Weld Lines in Injection-molded Short Fiber-reinforced Thermoplastics	France
Oral	Riess, Gisbert	S07-431	NOVEL SILICONE THERMOPLASTIC ELASTOMERS WITH TAILORED PERMEATION PROPERTIES	Austria
Oral	Rigoussen, Alan	S02-395	Insights on the efficiency of bio-based antioxidants in PLA/ABS blends	Luxembourg
Oral	Roberto, Pantani	S05-340	Foam injection molding of magneto sensitive polymer composites	Italy
Oral	Robledo-Ortiz, Jorge	S04-29	FIBER SURFACE TREATMENT TO INCREASE THE FIBER CONTENT AND MECHANICAL PROPERTIES OF ROTOMOLDED COIR-LMDPE AND AGAVE-LMDPE COMPOSITES	Mexico
Oral	Rojsatean, Jareenuch	S01-195	Friction characteristics improvement of ABS for low squeaking noises generating interior automotive parts	Thailand
Oral	Rubio, Noelia	S08-399	Engineering Graphene with Polymers for the Preparation of Nanocomposites	UK
Oral	Saeb, Mohammad Reza	S08-416	An Investigation on Cure Kinetics of Epoxy/MWCNTs Nanocomposites through Isothermal Calorimetric and Rheological Analyses	Iran
Oral	Salami Hosseini, Mahdi	S03-373	Prediction of final crystal morphology of semi-crystalline polymers using Phase Field Modeling (PFM)	Iran
Oral	Sanchez-Olivares, Guadalupe	S04-59	Keratin Fibres Recovered from Tannery Industry Wastes as Fire Retardant Agent on PLA composites	Mexico
Oral	Schaefer, Maximilian	S06-273	AUTOMATION OF AN ULTRASOUND MIXING HEAD FOR LOW PRESSURE RESIN TRANSFER MOLDING	Germany
Oral	Scharr, Kim	S01-19	Investigation of the temperature development within the solid conveying zone of twin-screw extruder based on the Discrete Element Method (DEM)	Germany
Oral	Schawe, Juergen	S08-7	Characterization of the nucleation efficiency of carbon nanotubes for polymer crystallization	Switzerland
Oral	Scheffler, Thomas	S11-325	Determination of the flow and curing behavior of highly filled phenolic injection molding compounds by means of spiral mold	Germany
Oral	Schilling, Markus	S11-42	Environmental Stress Cracking Of PE-HD Induced By Liquid Media – FNCT Testing	Germany
Oral	Schneider, Dorothea	S06-100	New approach for the efficient attainment of flame retardancy using multi component injection molding	Germany
Oral	Scholten, Andrea	S04-159	Use of recycled waste paper as fiber reinforcement for polypropylene –Relationship of fiber extraction process and mechanical properties of the composites	Germany
Oral	Schön, Malte	S03-242	Simulative determination of the optimization potential of additively manufactured static mixing elements for extrusion	Germany
Oral	Schuette, Jan	S05-171	Near-net-shape rigid foam cores for CFRP sandwich composites made from polyethylene terephthalate using thermoforming	Germany
Oral	Schumm, Benjamin	S08-419	Carbon Nanoparticle Surface Modification for Thermoplastic Polymers	Germany
Oral	Schuschnigg, Stephan	S14-241	Processability of Perlite-Filled Polypropylene Composites in Extrusion-Based Additive Manufacturing	Austria
Oral	Shaffer, Milo	S08-402	Continuous production of carbon nanotube-grafted quartz fibres: Effect of carbon nanotube length on fibre/matrix adhesion	UK
Oral	SHIMOKUSUZONO, So	S06-33	Effect of screw design on fiber breakage and dispersion of FRTP in injection molding	Japan
Oral	Shriky, Bana	S13-262	Injectable hydrogels for controlled release drug delivery	UK
Oral	SINGHA, NIKHIL	S07-274	A New Class of Thermoplastic Elastomers via Atom Transfer Radical Polymerization and “Click” Chemistry	India
Oral	Six, Wim	S06-224	A Novel Method for the Prediction of Adhesive Strength for Two-Component Injection Moulding of Thermoplastics with Thermoset Rubbers	Belgium
Oral	Smit, Tim	S06-453	Numerical analysis of the fountain flow instability	Netherlands
Oral	Soete, Karen	S06-217	Simulation of the effects of using conformal cooling channels in SLM produced plastic extrusion calibrators.	Belgium

Oral	Sorgato, Marco	S06-229	Effects of different mold surface coatings on the ejection force in micro injection molding	Italy
Oral	Stafiej, Piotr	S13-233	Transparency and suture ability of alginate hydrogel reinforced nanofiber scaffolds	Germany
Oral	Standau, Tobias	S05-51	Development of a beadfoam from the Engineering Polymer Polybutylene terephthalate (E-PBT)	Germany
Oral	Stegemann, Michael	S06-106	Extrusion of High-Performance Polyetherimide Pipes with variable wall thickness for aircrafts	Germany
Oral	Straka, Klaus	S06-255	Influences of Processing Parameters on the Melt Temperature Homogeneity in Injection Moulding	Austria
Oral	Subramani Bhagavatheswaran, Eshwaran	S07-317	Influence of ageing on the structure-property relationship of FKM, VMQ and EPDM rubber seals	Germany
Oral	Thieleke, Philipp	S06-167	Investigation of Residence Time Distribution of Different Screw-barrel Concepts via Ultrasound in Single-screw Extrusion	Germany
Oral	Thieleke, Philipp	S06-168	Investigation of the Melt Quality of a Wave Screw in a Grooved Plasticizing Zone with a High Specific Throughput Rate	Germany
Oral	Thomson, Brian	S04-142	Orthopaedic compression screws formed from body-temperature reverting, shape-memory polymers	UK
Oral	Thunberg, Johannes	S04-183	Nanocellulose reinforced thermoplastic composites of poly(ethylene acrylic acid)	Sweden
Oral	Titomanlio, Giuseppe	S06-79	Mechanical characterization of iPP injection molded samples on multiple length scales	Italy
Oral	Tran, Nguyen Hoai An	S05-34	New fibres from PCM using the conventional melt spinning process	Germany
Oral	Troisi, Enrico	S11-454	Structure evolution during film blowing: An experimental study using in-situ small angle X-ray scattering	Netherlands
Oral	Tuccar Kilic, Nilay	S02-71	Effects of Epoxy-POSS Nanoparticles on the Compatibility of PLA/PBAT Blends	Turkey
Oral	Tuinea-Bobe, Cristina	S12-111	Ultrasonic welding of polystyrene microinjected moulded components – physic-chemical and mechanical characterisation	UK
Oral	Uhlmann, Petra	S10-467	Multifunctional and responsive surfaces using nanostructured polymer brushes	Germany
Oral	Van De Steene, Willem	S14-264	A novel process for tailored stiffness and strength in extrusion based additive manufacturing	Belgium
Oral	Van den Eynde, Michael	S14-78	Flow Behaviour of Laser Sintering Powders at Elevated Temperatures	Belgium
Oral	Venkatesh, Abhijit	S01-170	Melt processing of cellulose nanofibrils and amphiphilic copolymer based bio-composites	Sweden
Oral	Verheyen, Fabian	S07-307	Analysis of the Extrusion Process of Silicone Rubber	Germany
Oral	Vlachopoulos, John	S06-192	Defects in Industrial Film Extrusion	Canada
Oral	Walter, Jan-Uve	S03-103	Distinction of Measurement-related and Material-related Scattering of Young's Modulus of Thermoplastics during Tensile Testing	Germany
Oral	Wang, Chenyang	S06-177	Direct Visualization of Cavity Filling and Demolding Phenomena through Textured Glass Block	Japan
Oral	Wang, De-Yi	S04-447	Hierarchical Functionalization of Halloysite Nanotube and Its Enhancement in Thermal Stability, Fire Retardancy and mechanical property of Epoxy Resin	Spain
Oral	Watanabe, Takuro	S04-113	Antistatic properties of transparent plastics using a donor-accepter molecular compound antistatic agent	Japan
Oral	Wellekötter, Jochen	S05-175	Recycling of Composites – A New Approach Minimizes Downgrading	Germany
Oral	Willems, Fabian	S06-190	The Use of Micromechanical Models to Predict Fiber Reinforced Plastics	Germany
Oral	Wipperfürth, Jens	S06-56	A concept of an injection compression mould for non-invasive ultrasound tomographic temperature measurements	Germany
Oral	Xiao, Dan	S09-444	Development and Investigation of High Performance Fire Retardant Polypropylene Composites	Germany
Oral	Yang, Qi	S06-17	Tailored microstructures and properties of microinjection moulded isotactic polypropylene/poly (ethylene terephthalate) blends	China
Oral	Yao, Shigeru	S06-126	Pelletize condition dependence of injection molded article of recycle plastic.	Japan
Oral	Yokoi, Hidetoshi	S06-349	MEASUREMENT OF TWO-DIMENSIONAL TEMPERATURE DISTRIBUTIONS INSIDE FILLING MELTS ALONG CROSS-SECTION OF CAVITY USING INTEGRATED THERMOCOUPLE SENSOR	Japan
Oral	Zhou, Shengtai	S06-6	Microinjection Molding of Polypropylene/Multi-walled Carbon Nanotubes Nanocomposites	Canada

**Accepted Papers  
Oral Presentations**

Oral	Ziegmann, Andreas	S07-386	Evaluation of the crosslinking density and the mechanical properties of silicone elastomers filled with bariumtitanates of different particle sizes as dielectric elastomers	Germany
Oral	Zitzenbacher, Gernot	S03-40	Evaluation of the Influence of the Tool Surface on Polymer Melt Flow Using a Novel Rheological Extrusion Slit Die	Austria
Oral	Zschech, Carsten	S09-445	INLINE EDGE LAYER MODIFICATION OF THREE DIMENSIONAL SHEET MOLDING COMPOUNDS	Germany