Preliminary Poster Program

15th Fall Rubber Colloquium
September 10–12, 2024

Tuesday, September 10, 2024
18:00

1	**Mehri Dana** Pouya Gostar Khorasan Co. of Part Lastic Group *Biocompatible organotin-free catalysts for silane curing polyolefin elastomer/linear low density polyethylene blends via reactive extrusion*
2	**Lena Tarrach** Bergische Universität Wuppertal *Modeling Study of Filler Reinforcement in Elastomers: From Small Strains to Failure*
3	**Fatemeh Nokandi** Pouya Gostar Khorasan Co. of Part Lastic Group *Comparison of co-agents in peroxide-cured of thermoplastic vulcanized (TPV)*
4	**Emad Mohammadian** Pouya Gostar Khorasan Co. of Part Lastic Group *Study the mechanical and thermal properties of polypropylene and polyethylene ternary alloys for the possibility of replacing them with engineering polymers in TPE car sealing systems*
5	**Hamid Maherani** Pouya Gostar Khorasan Co. of Part Lastic Group *Evaluation of aluminum powder and graphite aspect ratio on electrostatic discharge properties of thermoplastic elastomers*
6	**Matias Morejon** Continental Tire *Correlation of Mooney viscosity with complex dynamic viscosity based on the Cox-Merx rule*
7	**Mohammad Baraghoosh** Pouya Gostar Khorasan Co. of Part Lastic Group *Effect of molecular weight of hydrogenated styrenic block copolymer (SEBS) on surface glossiness in automotive sealing profiles*

8	**Albrecht Seidel** Biochemical Institute for Environmental Carcinogens, Prof. Dr. Gernot Grimmer-Foundation *Measurement of PAH content of recycled rubber materials prepared from end-of-life tires (ELT)*
9	**Christian Egelkamp** Deutsches Institut für Kautschuktechnologie *Critical discussion of filler dispersion analysis as lifetime indicators for reinforced elastomers*
10	**Danka Katrakova-Krüger** TH Köln *Durability of IIR and NBR compounds with recovered Carbon Black from tire pyrolysis*
11	**Raquel Barbosa** PIEP *Eco-Conscious Innovations in Rubber Manufacturing: Transforming Waste into Resources*
12	**Philipp Weichert** Deutsches Institut für Kautschuktechnologie e. V. *Vitrimer composites: A new approach to sustainable and self-healing rubber materials*
13	**Hayata Daisuke** Asahi Kasei Europe GmbH *Enhancing Rubber Performance: Selectively Hydrogenated Functionalized SBR*
14	**Arpita Kundu** Leibniz Institut für Polymerforschung Dresden e. V. *Development of dynamic reversible network in epoxidized natural rubber for sustainable tire application*
15	**Shushan Li** Beijing University of Chemical Technology *Numerical Calculation Method and Experimental Verification of Wear Life for New Energy Vehicle Tires*
16	**Simon Lenz** University of Applied Sciences Bingen *Improving the Master Process for Elastomers by an Optimization*
17	**Benjamin Klie** Deutsches Institut für Kautschuktechnologie e.V. *Inline-vulcanization of additively manufactured elastomers using IR-based heat sources*
18	**Eric Euchler** Leibniz-Institut für Polymerforschung Dresden *Experimental and Numerical Study on the deformation behavior and contact mechanisms of Gecko-inspired adhesive grippers*

19	**Sitao Wang** Leibniz Institute for Polymer Research Dresden e. v. *On the mechanical properties and polymer architecture of double network hydrogels*
20	**Alexander Aschemann** Deutsches Institut für Kautschuktechnologie e. V. *A machine learning approach to predict the extrudate contour in rubber extrusion*
21	**Josephine Rotte** DIK e.V. *Experimental investigation on heat build-up during frictional process of model tread compounds*
22	**Anna-Maria Märta Ruth Persson** SINTEF AS *Cyclic loading in compression – Comparison between a TPV, a LSR and two EPDMs*
23	**Dengpeng Huang** University of Twente *Data-driven modeling of thermo-viscoelasticity of rubber*
24	**Dirk Kilian** TBK Technische Beratung Kilian *Performance of devulcanized rubber compound*
25	**Albrecht Seidel** Biochemical Institute for Environmental Carcinogens, Prof. Dr. Gernot Grimmer-Foundation *Migration of PAH mediated by human sweat simulant from rubber materials derived from end-of-life tires (ELT)*
26	**Frank Fuchs** ENTEX Rust & Mitschke GmbH *Compounding of silica-based tread compounds using Planetary Roller Extruder*
27	**Sandesh Prasad Itani** University of Twente *Understanding the wear mechanism of FKM seals in load lock gate valve*
28	**Mechteld Hoeksma** University of Twente *Truck tyre abrasion: current test methods and further improvements*