







# INTERNATIONAL RUBBER CONFERENCE (IRC2024)

## PROGRAMME AT A GLANCE

#### **9 OCTOBER 2024**

### İstanbul Hall

08:00 - 09:00	Registration	
09:00 - 09:40	Opening Ceremony	
09:40 - 10:20	Plenary Speech: Liqun Zhang, South China University of Technology, China,	
	"Effects of dynamic-mechanical load on chemical aging behavior of elastomers"	
10:20 - 10:40	Coffee Break	
10:40 - 11:20	Plenary Speech: Ulrich Giese, German Institute for Rubber Technology, Germany	
	"Effects of dynamic-mechanical load on chemical aging behavior of elastomers"	
11:20 - 12:00	Plenary Speech: James Busfield, Queen Mary University of London, UK,	
	"Understanding The Transitions in The Abrasion Behaviour of Tyres"	
12:00 - 13:00	Lunch	
13:00 - 13:40	Plenary Speech : Seiichi Kawahara, Kyoto University, Japan	
	"Effect of proteins as constituents of island-nanomatrix structure on vulcanization of natural rubber"	

	İstanbul Hall (Polymers, Additives, Fillers & Modifiers)	Bursa Hall (Analysis & Testing: New Methods & Applications)	Kocaeli Hall (Polymers, Additives, Fillers & Modifiers)
Chair	Liqun Zhang	Ulrich Giese	James Busfield
13:45 - 14:05	Taweechai Amornsakchai	Berrin Değirmenci	Ján Kruželák
	Mahidol University, Thailand	Alpha Technologies, Italy	Slovak University of Technology, Slovakia
	Effect of Biochar as Hybrid Particulate Filler on Mechanical Properties of Pineapple Leaf Fiber Reinforced Natural Rubber	Striving for Excellence beyond just a Rubber Process Analyzer	Lignosulfonate filled rubber compounds with applied low molecular weight plasticizers
14:05 - 14:25	Jerome Crepin-Leblond	Mathieu Badard	Lena Tarrach
	Imerys Graphite & Carbon, France	Metravib, France	University of Wuppertal, Germany
	New thermal conductivity and EMI shielding performance in rubber by using optimized carbon additives blends	New crack growth testing method for rubber compounds by advanced image processing software for DMA instruments	Modeling study of tensile strength of filled and strain-crystallizing elastomers
14:25 - 14:45	Alexander Shaplov Luxembourg	Masayuki Ito	Ali El-Samak
	Institute of Science and Technology,  Luxembourg	Kyoto University, JAPAN	University of Warwick, UK
	Polyisoprene and random isoprene- norbornene copolymers with unique microstructure obtained with tailored titanium(IV) phenoxyimine catalysts	Thermogravimetric analysis of tetrafuluoreethylene-propylene elastomer to obtain the activation energy	Few-Layer Graphene (GNP) Filled Styrene- Butadiene Rubber (SBR)
14:45 - 15:00	titanium(IV) phenoxyimine catalysts  Coffee Break	Shorgy	

	İstanbul Hall  (Analysis & Testing: New Methods & Applications)	Bursa Hall (Analysis & Testing: New Methods & Applications)	Kocaeli Hall  (Polymers, Additives, Fillers & Modifiers and Novelty in Rubber Science & Technology)
Chair	Seiichi Kawahara	Pranee Phinyocheep	Mikihito Takenaka
15:00 - 15:20	John Dick	Ken Nakajima	Rattapong Numard
	ASTM International, USA	Tokyo Institute of Technology, JAPAN	Queen Mary University of London, UK
	Selecting the Best Grades of Zinc Oxide for Improving Tire Rolling Resistance	AFM Nanomechanics on Filled Rubbers	Evaluating the effects of carbon black surface functionality on tyre tread performance
	Chaoying Wan	Eathan Plaschka	Drahomír Čadek
15:20 - 15:40	University of Warwick, UK  Characterisation of dynamic reversibility of elastomer-filler network via large amplitude oscillation shear (LAOS)	Queen Mary University of London, UK  The relationship between wear morphology and fatigue crack growth in tire tread compounds	University of Chemistry and Technology Prague, Czech Republic Natural-based antioxidants for natural rubber compounds
	Sabrina Ternes	Fanzhu Li	Serge Bouvier
15:40 - 16:00	University of Duisburg-Essen, Germany  Does it fatigue? A feasibility study on the fatigue testing of NBR and PUR in the dynamic mechanical analysis for damage prediction	Beijing University of Chemical Technology, China  A crosslinking kinetic model considering reversion effect and its application in vulcanization process of heavy truck suspension rubber bearing	Celanese Corporation, Belgium  Celanese™ Vamac® : A reliable and sustainable elastomeric material for automotive applications
	Olivier Roumache	Dean Vidakovic	Daisuke Hayata
16:00 - 16:20	Silox Belgium  New generations of sustainable ZnO activators: a path to low carbon footprint with new properties	Graz Centre for Electron Microscopy,  Austria  Correlative Characterization of High- Performance Elastomers using  Microscopic and Spectroscopic Methods	Asahi Kasei Europe GmbH, Germany  Optimizing Rubber Performance: Leveraging Functionalization and Selective  Hydrogenation for Reduced 6PPD  Dependency
	Fanny Destaing	Kadir Demirak	David Kiroski
16:20 - 16:40	Technical Center of French	Angst-Pfister, TURKEY	HF, Germany
	Mechanical Industry, France  Predicting 20-year-long mechanical performance of elastomer seals in nuclear environments: a focus on radiation-thermal ageing	Using injection molding simulation software to accurately quote rubber anti- vibration elements	Study into the Energy Aspects of Mixing of Filled Rubber Compounds
16:40 - 17:30	Poster Session		
17:30 - 19:00	Welcome Cocktail		



### **10 OCTOBER 2024**

## İstanbul Hall

08:00 - 09:00	Registration	
09:00 - 09:10	Sponsor Speech	
09:10 - 09:50	Plenary Speech: Sabu Thomas, Trivandrum Engineering Science and Technology Research Park, India,	
	"Nanocellulose Reinforced Rubber Composites"	
09:50 - 10:30	Plenary Speech: Amit Das, Leibniz Institute of Polymer Research, Germany,	
	"Ionic Network of Modified Natural Rubber for Sustainability and Heat-Resistant Applications"	
10:30 - 10:50	Coffee Break	
10:50 - 11:20	Invited Speech: Changwoon NAH, Jeonbuk National University, South Korea,	
	"Effects of surface modification of dual filler system based on carbon black and carbon nanotube on the positive temperature coefficient behavior of polymer composites"	

	İstanbul Hall (Sustainability & Circular Economy)	Bursa Hall (Analysis & Testing: New Methods & Applications)	Kocaeli Hall  (Novelty in Rubber Science & Technology and Analysis & Testing: New Methods & Applications)
Chair	Sabu Thomas	Amit Das	Keon-Soo Jang
11:25 - 11:45	Harris Karim	Maurício Azevedo	Xiaohui Wu
	Nature Impact, UK  EUDR – The Road to Compliance for Rubber Companies	Polymer Competence Center Leoben GmbH, Austria  Large amplitude oscillatory shear rheology of liquid silicone rubber: insights into filler structure and viscoelasticity	Beijing University of Chemical Technology, China  Preparation and application of clay/brominated butyl rubber composites with great air-tight properties
	Hai Li	Shotaro Nishitsuji	Barbara Di Credico
11:45 - 12:05	Shanghai CheeShine New material technology Co., Ltd, China  Research on the application of modified cashew net oil in tire tread compounds	Yamagata University, Japan  The study on the correlation distance of aggregate of silica in SBR using time-resolved ultra-small angle X-ray scattering	<b>University of Milano-Bicocca, Italy</b> Nanoparticles Effect on Multiphase Rubber  Systems
	Kunal Manna	Judith Hirsch	Ajay Chengalaveedu
12:05 - 12:25	University Of Warwick, UK  Sustainable Lightweight Biocomposites derived from Biobased Thermoplastic  Polyurethane Reinforced with  Nanosized Biochar	Hyundai Motor Europe Technical Center GmbH, Germany  OIT-DSC: A method to compare real v/s artificial aged rubber in chassis bushes	Hari Shankar Singhania Elastomer and Tyre Research Institute, India  Optimizing Rubber Vulcanizate Performance: Investigating the Impact of Mixing Time on Rheological Properties and Cured Characteristics through Advanced Characterization
12:25 - 13:25	Lunch		
		İstanbul Hall	
	Invited Speech: Mikihito Takenaka, Kyoto University, Japan,  "Scattering Studies on Hierarchical Structures of Rubber/Filler Systems"		

	İstanbul Hall (Sustainability & Circular Economy)	Bursa Hall (Polymers, Additives, Fillers & Modifiers)	Kocaeli Hall (Sustainability & Circular Economy)
Chair	John Long	Antonin Kuta	Philippe Dabo
14:00 - 14:20	SIlvia Guerra	<u>Chenjun Zhang</u>	Robert Kobel-Bryk
	Pirelli Tyre S.P.A, Italy Sustainable rubber approach: Towards a Greener Future	Research Institute of Petroleum Exploration and Development, China Study on the interface of fluorine rubber composites reinforced by functionalized carbon nanotubes based on a two-step process	Schill + Seilacher Struktol, Germany  Different Viewpoints on Sustainability. A  Process Additive Perspective
	Thomas Griggs	Biswajit Paul	Peter Huber
14:20 - 14:40	Queen Mary University of London, UK	Shine Carbon, India	MAURER, Germαny
	Optimisation of Reversible Sulphur Crosslinked Natural Rubber Elastomers for Recycling	Effect of Two Types of Feedstocks on Carbon Blacks	Seismic protection with rubber isolators and challenges for the applied rubber compounds
	Shinya Nakano	Kirsty Rutherford	Noorliana Mohd Zan
14:40 - 15:00	Sumitomo, Japan  The Effect of Smear Wear Layer on  Wear Performance of Tyre Tread  Compounds	Queen Mary University of London, UK  Dielectric and Mechanical Response of Carbon Black Filled NBR: Frequency- Temperature Relationships	<b>Malaysian Rubber Board, Malaysia</b> Malaysian Rubber Industry Initiatives Towards EUDR Compliance
15:00 - 15:20	Coffee Break		
		İstanbul Hall	
	15:20 - 15:50  Invited Speech: Pranee Phinyocheep, Mahidol University, Thailand,  "Modified natural rubber latex: A smart material for sustainable development"		

	İstanbul Hall (Sustainability & Circular Economy and	Bursa Hall  (Polymers, Additives, Fillers & Modifiers and	Kocaeli Hall (Sustainability & Circular Economy and
	Polymers, Additives, Fillers & Modifiers)	Analysis & Testing: New Methods & Applications)	Analysis & Testing: New Methods & Applications)
Chair	Nadras Othman	Pak Kuen Chan	Changwoon Nah
15:55 - 16:15	Halit L. Hoşgün	Federico S. Grasso	Florian Diehl
	Bursa Technical University, Türkiye	Versalis SpA, Italy	UPM Biochemicals GmbH, Germany
	Using Devulcanized Rubber in EPDM/PP blends	New functionalized elastomers for low rolling resistance tyre compounds	UPM BioMotion Renewable Functional Fille (RFF): A new and innovative material class for sustainable rubber end-use application
	Yusuf Güner	Hiroki Hashimoto	Fatma Nur Manav
16:15 - 16:35	Standard Profil Otomotiv A.Ş., Türkiye	Nippon Soda Co., Ltd., Japan	Aselsan, Türkiye
	Utilization of Tire Pyrolysis Oil-Derived Carbon Black for Automotive Sealing Applications	Properties of cured products by crosslinking of 1,2-Polybutadiene	Characterization of silicone rubber in elastomeric vibration isolators
	Tobias Brandmeier	Hamed Peidayesh	Salim Yagoub
16:35 - 16:55	Hoffmann Mineral GmbH Germany, Peroxide cured silicone rubber	Polymer Institute, Slovak Academy of Sciences, Slovakia  Electrical Conductivity Behavior of Rubber Composites with Varying Crosslink Density Under Cyclic Mechanical Deformation	<b>Uludag University, Türkiye</b> Material Selection for Enhanced Durabilit  of Elastomeric Battery Mounts in Electric  vehicles
16:55 - 18:00	Poster Session		
	Gala Dinner		



## 11 OCTOBER 2024

# İstanbul Hall

08:00 - 09:00	Registration	
09:00 - 09:10	Sponsor Speech	
09:10 - 09:50	IRCO Honored Speech, Anil Bhowmick, University of Houston, USA,	
	"Energy Transition, Sustainability, and Rubber"	
09:50 - 10:20	Invited Speech: Pak Kuen Chan, The Plastics and Rubber Institute Malaysia,	
	"Sustainability of Rubber in Mining: Ecosystem and Global trend"	
10:20 - 10:40	Coffee Break	

	İstanbul Hall (Novelty in Rubber Science & Technology)	Bursa Hall (Polymers, Additives, Fillers & Modifiers)	Kocaeli Hall (Polymers, Additives, Fillers & Modifiers)
Chair	Anil Bhowmick	Shotaro Nishitsuji	Bağdagül Karaağaç
10:40 - 11:00	Cristian Oprisoni  LANXESS Germany	İrem Seckin Iscan Erenli Rubber Company, Türkiye	Onur Nuri Arslan International Institute for Nanocomposites
	Sustainable Solutions for Rubber Crosslinking	Development of mechanical properties of ozone resistant NBR/PVC rubber mixtures	Manufacturing, UK Investigating the antioxidant properties of lignin on rubbers
	Xinli Liu	Görkem Yıldız	Azura Rashid
11:00 - 11:20	Changchun Institute of Applied Chemistry, Chinese Academy of Science, China  Syndiotactic polystyrene based thermoplastic elastomers	Angst & Pfister Advanced Technical Solutions A.Ş, Türkiye  Developing and producing piezoelectric rubber composite materials for various industrial applications	Universiti Sains Malaysia, Malaysia  The ageing and degradation properties of nanocellulose/carboxylated nitrile butadiene rubber (XNBR) latex films
	Yoshimasa Yamamoto	LanQiong Zhang	Mehdi Razzaghi-Kashani
11:20 - 11:40	National Institute of Technology, Tokyo College, Japan  Polymer Electrolyte Membrane with Nanomatrix Channel Prepared by Graft-copolymerization of Ethyl p- styrenesulfonate onto Natural Rubber Followed by Hydrolysis	PetroChina Research Institute of Petroleum Exploration & Development, China  Enhanced mechanical and thermal properties of POSS-FEPM composites using R-group modulation of POSS	Tarbiat Modaress University, Iran Rheology and Properties of Hybrid-Filler Rubber Compounds
	Injamamul Arief	Robins Kumar	Burcu CAN KARABULUT
11:40 - 12:00	Leibniz Institute of Polymer Research Dresden, Germany  Contact Electrification-Based High Mechano-Electric Transduction in Hybrid Triboelectric-Piezoelectric Nanogenerator	University of Warwick, UK  Alternative biomass-derived antioxidant to tackle 6PPD challenge in rubber industry	Danfoss Polimer Kauçuk San Paz A.Ş, Türkiye Eco-Friendly Rubber Compound Design for Industrial Hose Products
12:00 - 13:00	Lunch		
		İstanbul Hall	
	nvited Speech: Nadras Othman, Uni Bio-based processing oil as an alterr	versity Sains Malaysia, Malaysia, native in the development of greener t	ire

	İstanbul Hall	Bursa Hall	Kocaeli Hall
	(Novelty in Rubber Science & Technology)	(Polymers, Additives, Fillers & Modifiers)	((Polymers, Additives, Fillers & Modifiers)
Chair	Ajay Chengalaveedu	V K Misra	Pong Kai SEE
13:35 - 13:55	Cloé Chanal	Χ Χίαο Hu (UK)	Yunus Emre Tanık
	Université de Lyon, France	University of Warwick, UK	Tekno Kauçuk Sanayii A.Ş. Türkiye
	Wear study of tire tread materials under low-severity wear conditions	Curing behaviour, mechanical properties, and the thermo-oxidative resistance of SSBR/silica/lignin composites	Proposal of a New Approach on Fatigue Life Calculations of Rubber Bushing under Road Load Input
	Roman Christopher Kerschbaumer	Ece Musellim	Yalçın Yalaki
13:55 - 14:15	Polymer Competence Center Leoben GmbH, Austria  Innovative modeling approach enables the quality prediction of rubber parts during a filling and curing simulation	Sampa Automotive, Türkiye  An alternative to Hevea Brasiliensis  Natural Rubber: Taraxacaum kok-saghyz  (TKS)-Dandelion Rubber	Hacettepe Üniversity, Türkiye  Effect of phenolic resin on the mechanical properties of poly(epichlorohydrin-coethylene oxide-co-allyl glycidyl ether)  (GECO) based elastomers
	Dongmei Cui	Shipeng Wen	Amina Haliouche
14:15 - 14:35	Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China  Preparation of New type of Thermoplastic Elastomers	Beijing University of Chemical Technology, China  Constructing strong chemical interface in graphene oxide/rubber composites exhibiting high-abrasion resistance for eco-friendly green tires	Hacettepe Üniversity, Türkiye  Adding Self-healing properties to Epichlorohydrin based Rubbers with  Different Approaches
14:35 - 14:50	Coffee Break	, ,	

	İstanbul Hall	Bursa Hall	Kocaeli Hall
	(Novelty in Rubber Science & Technology)	(Polymers, Additives, Fillers & Modifiers)	(Analysis & Testing: New Methods & Applications and Polymers, Additives, Fillers Modifiers)
Chair	Krisda Suchiva	Nurseli Uyanık	Murat Şen
14:50 - 15:10	Tuba Ünügül	Muberra Göktaş	Nick Molden
	Özka Tyre, Türkiye  Effect of wollastonite on adhesion and gas barrier properties of epoxidized natural rubber-based inner liner compounds	Brisa Bridgestone Tire Company, Türkiye  Effect of Synthetic Resins on Green Tackiness Properties of C-Black Filled  NR/BR Compound	Emissions analytics, UK  Tyre emissions from battery electric vehicle effects on wear rates and toxicity
	Jishnu J. Nirmala Suresh	Gözde Kuru	Arta Babapour
15:10 - 15:30	Dresden University of Technology, Germany  Evaluating the Impact of Crosslinker Amount and Pre-Strain Level on the Electromechanical Characteristics and 3D Printing Potential of Functionalized Liquid Isoprene Rubber Dielectric Elastomer Actuators	Sampa Automotive, Türkiye Investigating Pyrolytic Carbon Black in Natural Rubber: Rheological, Mechanical and Dynamic Effects	Hacettepe University, Türkiye  Exploring the Various Characteristics of Epichlorohydrin Based Elastomers: A  Comparative Analysis of Damping Propert  CO, ECO and GECO Elastomers
	Boyong Xue	Davut Aksüt	
15:30 - 15:50	Shandong Yanggu Huatai, China  Alternative Candidates to 6PPD for Tire  Manufacturing: New Development  Stage in HUATAI	<b>Hacettepe University, Türkiye</b> Optimization Of Curing Conditions of Fluorosilicone Rubber	
		İstanbul Hall	
i:50 - 16:20 E	Best Student Presentation Award Ceremony		



16:20 - 16:40

**Closing Ceremony** 

#### INTERNATIONAL RUBBER CONFERENCE (IRC2024)

#### **POSTER PRESENTATIONS**

#### 9 - 10 OCTOBER 2024

Poster Hall			
M. Begum ALANALP,	Preparation of self-healing thermoplastic elastomers (TPEs) by reactive melt blending		
İstanbul University-Cerrahpaşa,			
Türkiye			
M. Begum ALANALP,	Rheological assessment of synthesis of amine functionalized thermoplastic elastomers (TPE) prepared by		
İstanbul University-Cerrahpaşa,	reactive melt compounding		
Türkiye			
Semiha Seda ANNİKA,	Sustainable Antioxidant Use in EPDM Based Rubber Compounds in Cable Applications		
Untel Cable,			
Türkiye			
Ebru APAYDIN,	Influence of various types and amounts of carbon black on the stiffness of rubber bushings		
Kocaeli University,			
Türkiye			
Maurício AZEVEDO,	Thixotropy in injection moulding liquid silicone rubber: filler structure as a key feature for processing-		
Polymer Competence Center Leoben,	related viscosity determination		
Austria GmbH			
Yusuf Mert BAYTOK,	A Novel Approach to EPDM Formulation Optimization: Integrating Nonlinear Regression and Stochastic		
Standard Profile,	Optimization Methods		
Türkiye			
Kanoktip BOONKERD,	Conductive nanocomposite of epoxidized natural rubber filled with carbonaceous fillers for strain sensing		
Chulalongkorn University,	application		
Thailand			
Eunji CHAE,	Study on morphology and composition of a single tire-road wear particle (TRWP)		
Sejong University,			
South Korea			
Suzan ÇİFTÇİ,	Investigation of the Effect of Waste Onyx Stone Powder on the Properties of Ethylene Propylene Diene		
Seçil Kauçuk,	Monomer (EPDM) Rubber		
Türkiye			
Gokce DAGDEVIREN AKAN,	Effect of different vulcanization systems on physical and dynamic properties of EPDM rubbers		
İstanbul University-Cerrahpaşa,			
Türkiye			
Parth DHRANGDHARIYA,	Homopolymer Based Magnetorheological Elastomer		

India	
Michaela DŽUGANOVÁ,	Enhancing Rubber Sustainability: The Role of Lignin in Rubber Compounds
Slovak University of Technology in Bratislava,	
Slovakia	
Sarah Elisabeth DECHENT,	Baseline study on the influence of sulfuric acid on the aging behavior of elastomer sealing materials in
Datwyler Schweiz AG,	PEM fuel cells
Switzerland	
Metin ERENKAYA,	Development of Alternative Compound For Use In Automotive Turbocharger Hoses
Arsan,	
Türkiye	
Hande EYVAZOĞLU,	Effect of vinyl silane trated aluminium hydroxide and huntite on silicone rubber's flame retardancy
Başoğlu Cable,	
Türkiye	
Burak GÜNER,	Preparation and Characterization of Advanced Technology High Damping Earthquake Isolator Rubber
Arsan,	Composites
Türkiye	
Sezen GÜRDAĞ,	Effect of Chain Mobility in the Rubber Formula on the Tg and Arrhenius Activation Energy
Danfoss Polimer Kauçuk San Paz A.Ş,	
Türkiye	
Ergün Ümitcan GÜVENİR,	Investigation of Torsional Behavior of No-Backlash Flexible Couplings
Hacettepe University,	
Türkiye	
Ajαy HARIDAS CP,	Recyclable and Crosstalk-free Thermoplastic Polyurethane-Carbon Materials Based Flexible Electronics
Indian Institute of Technology Kharagpur,	
India	
Chesidi HAYICHELAEH,	Effect of modified palm oil on the properties of silica-reinforced SBR/BR blends
Chulalongkorn University,	
Thailand	
Junhwa JANG,	Secret Coating Consisting of Photoisomerizable Side-Chain Cyanostilbene and Self-Crosslinkable
Jeonbuk National University,	Backbone Polysiloxanes
South Korea	
Aylin KARAKURT SÜTCÜ,	Green Tyre Retreading: Advancing Sustainability And Efficiency In TBR Systems
Rekor Kauçuk,	
Türkiye	
Süleyman Fatih KELEŞ,	Finite Element Analysis of Hyperelastic Behavior and Performance of Rubber Torsion Suspension Systems

Hacettepe University,	
Türkiya	
Mehmet KİLİMCİ,	Effect of Zinc Oxide on Curing Polychloroprene
Melos Company,	
Türkiye	
Hyeyoon KO,	Azobenzene-Based Liquid Crystal Polymer Networks with a Photothermal Effect for Shape Memory and Self-Healing Properties
Jeonbuk National University,	Sen-riedning Froperties
South Korea	
Ján KRUŽELÁK,	Rubber composites based on ferrites and carbon fillers with EMI absorption shielding performance
Slovak University of Technology,	
Slovakia	
Andrea KVASNIČÁKOVÁ,	Electromagnetic interference shielding performance of rubber-based composites using soft magnetic
Slovak University of Technology in Bratislava,	ferrites as absorbers
Slovakia	
Antoine MILLE	Experimental contact mechanics analysis of a rubber sample under complex loading representative of a
Ecole Centrale de Lyon,	rolling tire
France	
Mintαek OH	Multi-Stimuli Responsive Smart Skins Based on Ionic Azobenzene Reactive Mesogens Capable of Controlling Ionic Conductivity and Shape Actuation
Jeonbuk National University,	
South Korea	
Hokuto OHURA,	Properties of cured products by crosslinking of 1,2-Polybutadiene
Nippon Soda Co., Ltd.,	
Japan	
Oğuzhan ÖRNEK,	Effect of molecular architecture on the low and high-temperature damping properties of
Ferkan A.Ş.,	poly(epichlorohydrin-co-ethylene oxide-co-allyl glycidyl ether) (GECO) elastomers
Türkiye	
Sirilux POOMPRADUB,	Carbon dots from cup lump via hydrothermal process for fluorescent ink
Chulalongkorn University,	
Thailand	
Arshad Rahman PARATHODIKA,	Exploring hybrid cure system in EPDM rubber to achieve optimum performance properties
Rubber Technology Centre, Indian Institute of Technology, India	
Minwoo RIM,	Thermo-responsive Shape Memory Polymer Network with Outstanding Thermal Conductivity
Jeonbuk National University,	
South Korea	
Nikolas RYZÍ,	How does heat development affect the cutting and chip wear of Rubber

Czech Republic	
Sevda ŞAHAN,	Evaluation and Characterization of Resistance of Polyacrylate (ACM) Under Different Types Application
Petrol Ofisi A.Ş. Technology Center	Areas
Türkiye	
Sevda ŞAHAN,	Investigation of the Effects of the Use of UV Stabilizers in Process Oils on EPDM Based Rubber Compounds
Petrol Ofisi A.Ş. Technology Center,	
Türkiye	
Gizem UZAN KAR,	Applying anti-reversion agents in chloroprene rubber to decrease marching cure
Kocaeli University,	
Türkiye	
Wencai WANG,	Mussel-inspired environmentally friendly dipping system for aramid fiber and its interfacial adhesive
Beijing University of Chemical Technology	mechanism with Rubber
China	
Youngjae WI,	Porphyrin-Based Metallomesogens for Thermal Management Materials
Jeonbuk National University,	
South Korea	
Dongmin YU,	Hierarchical Superstructures of Azobenzene-Based Polynorbornenes for Smart Denpols to Remote- Controllable Actuators
Jeonbuk National University,	
South Korea	

Website	https://www.irc2024.org
Date	October 9-11, 2024
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