

## 会议日程 主题报告

主题报告 地点：大宴会厅A+C 日期：4月17日（星期三）上午			
时间	编号	报告人	题目
09:00-09:35		曹湘洪	Automobile Power Revolution and Green Tire
09:35-10:10	D01	J.W.M Noordermeer	Feasibility of Real De-vulcanization for Elastomer Products with Emphasis on Tires
10:10-10:25	茶 歇		
10:25-11:00	A06	张立群	Novel Bio-based Elastomers with Tunable Properties
11:00-11:35	E01	William V. Mars	Engineering Elastomer Durability
11:35-12:10		王任飞	Present Achievement and Development Strategy of Scientific and Technological Innovation in Natural Rubber Industry

## 分会场报告

专题：橡胶设计与合成 地点：会场1，大宴会厅B 日期：4月17日（星期三）下午			
时间	编号	报告人	题目
13:30-13:55	A01	Hongyu Chen	Generational Development of Olefin Block Copolymers
13:55-14:20	A07	白晨曦	Synthesis and Properties of $\beta$ -Cyclodextrin/Boron Nitride/Polybutadiene Composites
14:20-14:45	A23	李伯耿	The Epoxidation of C=C Containing Rubber by Reaction-Controlled Phase-Transfer Catalyst
14:45-15:10	A29	徐云祥	The Role of Phospholipid Groups in Sequentially Controlled Polyisoprene
15:10-15:25	茶 歇		
15:25-15:50	A02	Anil K. Bhowmick	Sustainable Rubbers from Renewable Biomass
15:50-16:15	A08	崔冬梅	Synthesis of High Performance Rubbery Materials
16:15-16:40	A09	龚光碧	Design and Synthesis of New Core-Shell SiO <sub>2</sub> Nanoparticles Applied in Rubbers Reinforcement
16:40-17:05	D24	康海澜	Fabricated Eucommia Ulmoides Gum/Polyethylene-octene Elastomer Thermoplastic Vulcanizates into a Shape Memory Materials
17:05-17:30	A27	翁更生	Moisture-sensing Tough Elastomer with Switchable Fluorescence Using Dynamic Coordination of Eu-Iminodiacetate
专题：纳米填料合成与改性 地点：会场2，大宴会厅D 日期：4月17日（星期三）下午			
时间	编号	报告人	题目
13:30-13:55	B01	Walter H. Waddell	Factors Influencing the Effectiveness of Precipitated Silica Use in a Passenger Car Radial Tire Tread
13:55-14:20	B06	郑俊萍	Study the Mechanism That Carbon Nanotubes Improve Thermal Stability of Rubber Composites by Designing SNTs@CNTs Core-Shell Hybrids
14:20-14:45	B05	贾志欣	One-step Approach to Reduce and Modify Graphene Oxide via Rubber Additives and Its Application for Elastomer Reinforcement
14:45-15:10	B14	刘小艳	Surface Modification of Silica and Its Effect on the Properties of Low Temperature Fluoroether Rubber
15:10-15:25	茶 歇		
15:25-15:50	B02	Juan L. Valentín	New Insights in the CNT-Rubber Structure for a Rational Development of Advanced Materials
15:50-16:15	B04	Zhen Liu	CARBONX: A Revolutionary New Carbon. Unlocking New Design Opportunities in Elastomers
16:15-16:40	B12	丁涛	Preparation of Novel Nano-SiO <sub>2</sub> and Its Application in SSB/BR
16:40-17:05	B24	魏绪玲	Study on Properties of Emulsion Polymerized Styrene-Butadiene Rubber Modified by Organic Montmorillonite
17:05-17:30	B16	李琳	Green and High-Efficiency Production of Graphene by Tannic Acid-assisted Exfoliation of Graphite in Water
专题：模拟与仿真 地点：会场3，301 日期：4月17日（星期三）下午			
时间	编号	报告人	题目
13:30-13:55	E02	危银涛	State of the Art of Smart Tire Concept, Theory and Application
13:55-14:20	E03	王友善	Tire Design Theory of Variable Constrained Equilibrium Profile and Its Application
14:20-14:45	E06	崔志博	Prediction of the Deformation and Footprint of High-speed Rotating Radial Tire
14:45-15:10	E15	王昊	Durability Estimation of a Rubber Shock Absorber under Stochastic Loading Conditions
15:10-15:25	茶 歇		
15:25-15:50	E05	苏正涛	Analysis of Factors Affecting Fatigue Performance of Rubber Cylinder
15:50-16:15	E04	刘军	New Progress on Computer Simulation and Experimental Studies of Rubber Nanocomposites
16:15-16:40	E07	吴健	Effect of Groove on Wear Performance of Aircraft Tire Tread Rubber
16:40-17:05	E12	乔宽	Introduction of Tyre Tread Winding Process
17:05-17:30	E08	王国林	Development and Application of CAE in Virtual Testing Ground of Tire Performance
专题：橡胶设计与合成 地点：会场1，大宴会厅B 日期：4月18日（星期四）上午			

时间	编号	报告人	题目
08:30-08:55	A03	Kohzo Ito	Slide-Ring Materials: Novel Molecular Concept to Toughen Polymers
08:55-09:20	A10	郭宝春	Engineering of Sacrificial Bonds into Diene Rubbers
09:20-09:45	B13	李杨	The Effect of Amine-functionalized Styrene-Butadiene Rubbers on the Dispersion of Silica Particles
09:45-10:10	A12	李世辉	Selective Polymerization of Bio-based Monomers by Using Rare-earth Metal Catalysts
10:10-10:25	茶 歇		
10:25-10:50	A05	Pranabesh Sahu	Sustainable Self-healing Elastomers Derived from Biomass via Emulsion Polymerization
10:50-11:15	A11	贺爱华	New Strategies for Green Tires and High Serving Life Damping Materials
11:15-11:40	A15	吴锦荣	High Performance Self-healing Elastomers
11:40-12:05	A14	唐征海	Programming Dynamic Covalent Bonds into Diene Rubbers towards Mechanically Robust and Malleable Rubber Materials
专题：新助剂制备与应用 地点：会场2，大宴会厅D 日期：4月18日（星期四）上午			
时间	编号	报告人	题目
08:30-08:55	B03	V. Barbera	Sustainable Functionalization of sp <sup>2</sup> Carbon Allotropes as Fillers for Rubber Compounds with Lower Dissipation of Energy
08:55-09:20	B20	汪传生	Study on Preparation and Properties of Graphene Oxide/Butyl Rubber Composites
09:20-09:45	C06	范汝良	Study on TBR Tire Compounds with Lower Hysteresis Loss and HBU Performance
09:45-10:10	B18	温世鹏	The Relationship between Structure and Fatigue Properties of Graphene Oxide/Carbon Black/Nature Rubber Composites
10:10-10:25	茶 歇		
10:25-10:50	F13	夏德贵	Adhesion Investigation of TAWI <sup>®</sup> Ternary-alloy-coated Steel Cord in Cobalt-free Compound
10:50-11:15	B17	熊玉竹	Synergistic Modification of Multi-layer Graphene Oxide by Two Coupling Agents for High-performance Natural Rubber Composites
11:15-11:40	C13	鲁代仁	Mechanism and Application of Performance Resin in the Rubber Compound
11:40-12:05	C03	陈慧	Application Status and Development Prospect of Low Zinc Environmental Protection Supzn <sup>TM</sup> Activator in Rubber Industry
专题：测试分析与结构表征 地点：会场3，301 日期：4月18日（星期四）上午			
时间	编号	报告人	题目
08:30-08:55	F01	Nakajima Ken	Hierarchic Heterogeneity in Rubbery Materials
08:55-09:20	F04	陈忠仁	Fatigue Resistance of Polymer Composites by Controlling Multi-scale Structures and Interfacial Interactions
09:20-09:45	F05	方庆红	Corrosion and Medium Diffusion of Fluorine Rubber Composite in Hot Nitric Acid Solution
09:45-10:10	F17	卢咏来	The Effect of Epoxidation on Strain-Induced Crystallization of Epoxidized Natural Rubber
10:10-10:25	茶 歇		
10:25-10:50	F02	Rabindra Mukhopadhyay	A study on Effect of Carbon Black Type on Fatigue Crack Growth Behaviour of Tyre Rubber Compounds
10:50-11:15	F06	梁玉蓉	Cyclic Uniaxial Mechano Optical Studies on Stress-Softening Behavior of Natural Rubber/Clay Nanocomposites
11:15-11:40	A43	李东翰	Synthesis of Hydroxyl-terminated Liquid Fluoroelastomer by Sodium Boro-hydride/Neodymium Chloride Reduction System
11:40-12:05	F23	王丹灵	Using Rubber Processing Analyzer to Study Scorch Behavior of Silica-filled Compound
专题：橡胶设计与合成 地点：会场1，大宴会厅B 日期：4月18日（星期四）下午			
时间	编号	报告人	题目
13:30-13:55	A04	Guohua Hu	Functionalization of Acrylonitrile Butadiene Rubber ( NBR )
13:55-14:20	A21	张学全	Highly Active Controllable Coordination Polymerization for Nd-based Polybutadiene
14:20-14:45	A18	俞燕蕾	Athermal Shape Memory Effect of Photoresponsive Liquid Crystal Polymers
14:45-15:10	A17	于海峰	Photo-manipulated Elasticity of Liquid Crystal and Polymer Composites towards Biomimetic Applications
15:10-15:25	茶 歇		
15:25-15:50	D02	Toshio Nishi	Advances in Nano-to Mega-technology of Elastomers
15:50-16:15	A20	张秋禹	A Novel Reprocessable and Recyclable Acrylonitrile-Butadiene Rubber Based on Dynamic Oxime-Carbamate Bond
16:15-16:40	A19	张安强	Polysiloxane Elastomer Based on Reversible Aluminum-Carboxylate Coordination: Preparation and Dynamic Properties
16:40-17:05	A16	吴一弦	Neodymium Butadiene Rubber: Preparation , Property and Application
17:05-17:30	A41	岳冬梅	In-situ Preparation of Hydrogenated Butadiene-Acrylonitrile Rubber by Both Hydrogen Generation and Hydrogenation Graphene Catalyst
专题：测试分析与结构表征 地点：会场2，大宴会厅D 日期：4月18日（星期四）下午			
时间	编号	报告人	题目
13:30-13:55	D03	Jun Ma	Stretchable Strain Sensors Based on Polymer/Nanomaterial Composites
13:55-14:20	F09	宋义虎	Viscoelasticity of Rubber Nanocomposites

14:20-14:45	F10	田明	A Quantitative Approach to Study the Interphase of Elastomer Nanocomposites
14:45-15:10	F07	廖双泉	Effect of Protein on Structure and Properties of Natural Rubber
15:10-15:25	茶 歇		
15:25-15:50	D05	Toshikazu Takata	Direct Introduction of Movable Cross-link Points to Rubber Polymers Using Nitrile N-oxide-Tethering Rotaxane Cross-linker
15:50-16:15	F12	王小荣	The Concept of Jamming in Filled Rubbers
16:15-16:40	F11	王东	Probing the Structural Evolution in Deformed Isoprene Rubber by In Situ Synchrotron X-ray Diffraction and Atomic Force Microscopy
16:40-17:05	F08	刘力	Volume Shrinkage Mechanism of Gutta Percha Point Studied by Differential Scanning Calorimetry and Volume Dilatometer in Vitro
17:05-17:30	A42	吕博	NORDEL™ EPDM for High Heat Resistant Rubber Parts Applications
专题：橡胶加工新技术 地点：会场3，301 日期：4月18日（星期四）下午			
时间	编号	报告人	题 目
13:30-13:55	D06	Murat Sen	Enhancement of Mechanical and Damping Properties of Silicone Elastomers by Green Radiation Processing Technology
13:55-14:20	D07	张明	Magnetic Rubber Composites: Design and Applications
14:20-14:45	D09	曾季	Development Status and Design Ideas of Electric Vehicle Tires
14:45-15:10	D11	万鹏博	Functional Elastomer Nanocomposite for Wearable Pressure Sensor with Full-range Human-Machine Interfacing
15:10-15:25	茶 歇		
15:25-15:50	D04	Seiichi Kawahara	Mechanical and Viscoelastic Properties of Natural Rubber Prepared with a Nanodiamond Nanomatrix Structure
15:50-16:15	D08	张勇	Peroxide Curing of Brominated Butyl Rubber
16:15-16:40	D19	袁志宏	Data-driven Modelling with the Application to the Rubber/Rubber Additive Manufacturing
16:40-17:05	D14	边慧光	Tire Rubber Full Formula Wet Mixing New Process Technology
17:05-17:30	D13	吴思武	New Approaches for Optimizing Tread Performance of Green Tires