



65 YEARS

IRMRA'S
24th RUBBER
CONFERENCE & EXPO

21st, 22nd & 23rd SEP 2023, CHENNAI

**SUSTAINABILITY & CIRCULAR ECONOMY - CHALLENGES
AND OPPORTUNITIES FOR RUBBER INDUSTRY**

21st, 22nd & 23rd SEPTEMBER 2023

CHENNAI TRADE CENTRE
Nandambakkam, Chennai, Tamil Nadu



**21st, 22nd & 23rd
SEPTEMBER
2023**

CHENNAI TRADE CENTRE
Nandambakkam, Chennai, Tamil Nadu

Dear Industry Colleagues

We are glad to inform that Indian Rubber Manufacturers Research Association (IRMRA) is organising 24th Rubber Conference and Expo (IRMRA – RCE 2023) on **21st, 22nd & 23rd September 2023 at Chennai Trade Center, Chennai, India**. It gives us an immense pleasure to present the 24th edition of IRMRA's Rubber Conference along with Rubber Expo.

IRMRA had hosted the 23rd Rubber conference in the year 2018 as a part of DIAMOND JUBILEE celebration. Incepted in the year 1958, this year we are celebrating the 65th year of foundation. As a part of celebration and a long wait of 5 years due to the pandemic situation, this year the conference and Expo is being organized. IRMRA has always strived to fulfil the present and future needs of rubber industry. Various knowledge enhancing workshops on tyre regulation, modelling and simulation, advanced testing is scheduled along with a Panel discussion on Circular Economy with eminent panellists from the industry and decision makers representing Government of India.

We are overwhelmed with support and response from industry in terms of sponsorship, participation and co-operation. The conference managing committee is dedicated and diligently working to provide the best experience to the exhibitors, visitors, conference delegates and speakers.

We invite you to be a part of the 24th Rubber Conference and Expo and take advantage of this exceptional platform to showcase your offerings. Leverage the expo to showcase your products and services to a diverse audience of industry professionals, potential clients, and decision-makers. Strengthen your brand presence, generate leads, and explore new business opportunities.

Looking forward to see you.

Dr. K. Rajkumar

Director, IRMRA
Chief Convenor

ORGANIZING COMMITTEE

Mr. T. V. Sethumadhavan, Deputy Director (Co – Convener)

Mrs. Suchismita Sahoo, Sr.Asst. Director (Co – Convenor)

Mr. Paul Vannan, Sr.Deputy Director

Dr. Bharat Kapgate, Sr. Assistant Director

Dr. Debdipta Basu, Asst. Director,

Dr. Rupesh Rohan, Asst. Director

Mr. Manohar Nawale, Sr. Scientific Officer

Mr. Sachin Barve, Sr. Scientific Officer

Mr. Gnana Sandeep, Sr. Scientific Officer

Mr. Hemant Khairnar, Finance Officer

Mr. Kiran Shetty,, HR. Officer

21st, 22nd & 23rd
SEPTEMBER
2023

CHENNAI TRADE CENTRE
Nandambakkam, Chennai, Tamil Nadu



PANEL DISCUSSION

CIRCULAR ECONOMY: CURRENT STATUS AND FUTURE PERSPECTIVE FOR END OF LIFE OF TYRES



SESSION CHAIR
Shri Sanjiv Singh
Joint Secretary DPIIT,
Ministry of Commerce & Industry,
Govt. of India



SESSION MODERATOR
Dr. R. K. Matthan
Polymer Consultancy
Services, India

SPEAKERS



Shri Vishesh Agarwal
Vice President
AIRTRA, India



Shri Harsh Gandhi
Executive Director
GRP Ltd, India



Shri V K Mishra
Technical Director
J K Tyres and ITTAC, India



Shri P K Mohamed
Chief Advisor, R&D
Apollo Tyres, India

Register Now

#IRMRA-RCE2023

For more information, contact: 7977910824

Visit : www.irmra.asia



21st, 22nd & 23rd
SEPTEMBER
2023

CHENNAI TRADE CENTRE
Nandambakkam, Chennai, Tamil Nadu

ABOUT THE CONFERENCE

24th Rubber Conference and Expo, organized by the Indian Rubber Manufacturers Research Association (IRMRA), which will take place on 21st, 22nd and 23rd September 2023 at **Chennai Trade Center** in the city of Chennai. The conference is themed around sustainability and circular economy to address the current challenges and opportunities for rubber industry. The eminent speakers from various industries and prestigious institutes have been empaneled to enlighten the industry with their insights on the topic.

SCIENTIFIC & TECHNICAL SESSION

- Circular Economy, Recycling and Waste Management
- Sustainable Materials and Additives
- Advances in Rubber and Rubber Chemicals
- Advances in Product Design for Life Cycle Improvement
- Sustainable Developments in Rubber & Allied Industries
- Advances in Testing and Characterization
- Eco-friendly Materials and Composites
- Virtual Testing, Modelling, Simulation and Global Regulations

OUR SPEAKERS

Keynote Address by Dr. Utkarsh Majmudar, Academic, Consultant and Author; Member, Board of Governors, IIM Raipur

PLENARY SPEAKERS

- **Shri SKP Amarnath**
Apollo Tyres, India
The Future of Tyres :
Sustainability, Circularity and Technology
- **Prof. Anil K. Bhowmick**
The University of Houston, USA
Rubber Research During Energy
Transition
- **Dr. R. K. Jain**
UNIDO, India
Sustainability and Circular Economy - Challenges
and Opportunity for Rubber Industry
- **Dr. V. K. Gupta**
Sustainable Technology for Advanced
Elastomers

INVITED SPEAKERS

- **Dr. R. K. Matthan, Polymer Consultancy Services Chennai, India:** Innovative bioelastoplastic engineered natural rubber grade materials for a decarbonised sustainable circular rubber economy
- **Shri A. K. Sharma, BKT, India:** Sustainable mobility & circular economy- a business strategy in tire industry
- **Prof. Kinsuk Naskar, IIT KGP, India:** Thermoplastic Elastomers (TPEs) and Thermoplastic Vulcanizates (TPVs): Structure, Properties and Recent Applications
- **Prof. Santanu Chattopadhyay, IIT KGP, India:** Understanding of Natural Rubber for the sake of Reinventing the Wheel for the Sustainable Future
- **Dr. Siby Varghese, RRII, India:** Role of Rubber products Incubation Centre for sustainable Rubber Industry
- **Dr. Amit Das, IPF Dresden, Germany:** Epoxidized Natural Rubber Unveils Exciting Possibilities
- **Prof. N Natchimuthu, MIT, India:** Sustainable fillers for rubber reinforcement: fundamental issues
- **Dr. Abhishek Sharma, Manipal University, Jaipur, India:** Waste tyres upcycling for high value chemicals and energy recovery: A circular and sustainable solution
- **Dr. G. Venkatesan, Anna University, India:** Studies on structural element by totting tire derived aggregate
- **Dr. P. Annadurai, NPOL, DRDO, India:** Recent Developments in Rubber Technology for Marine Applications
- **Prof. Abhijit Bandyopadhyay, University of Calcutta, India:** Probing into Why Anisotropic Nanoclay Offers Better Reinforcement in Natural Rubber Than Isotropic Nano Zinc Oxide by Determining Their Interaction With Sol And Gel Fractions

CONFERENCE SPEAKERS

- **Shri Kalyan Das & Shri K. M. Ravi, GRP Ltd., India:** High performance Recycled Rubbers towards sustainability goals
- **Dr. Thomas Kurian, CUSAT, India:** Manufacture of Rubber Compounding Additives by the Chemical Recycling of Post-consumer PET Bottle Waste
- **Shri Tirthankar Bhandary, HASETRI, India:** A step towards sustainability: Optimizing the doses of recycled tire powder in tire manufacturing sustaining analogous processability, performance and price
- **Shri Jiby M Isaac, Apollo Tyres, India:** Synergistic effect of fillers on the performance characteristics of eco-friendly tyre tread formulations with special emphasis on low rolling resistance, hysteresis and antistatic properties
- **Dr. Amit Chakrabarti, PCBL, India:** Development of Performance Enhancing Carbon Black Grades for Rubber Applications



21st, 22nd & 23rd
SEPTEMBER
2023

CHENNAI TRADE CENTRE
Nandambakkam, Chennai, Tamil Nadu

- **Shri Raghvendra Singh Pal, Wacker, India:** Sustainability at wacker silicones
- **Dr. Shera Matthew, RRII, India:** Effect of Fillers on Natural Rubber Latex Foam Vulcanizates
- **Dr.Amit. K. Shukla, Reliance Industries Ltd., India:** Development of Butyl Rubber Based Ionomer with Improved Self-Healing Properties
- **Dr. Chayan Das, VNIT, India:** Rubber Composites with in situ Incorporated Non Black Filler
- **Dr. Aji M N, HF Mixing group, India:** Advance in Mixing Technology
- **Shri Ajay C, HASETRI, India:** Study on the Heat Generation Properties of Rubber Compounds by Using Rubber Process Analyzer
- **Smt Richa Nadkar, ELTECH, India:** Induction Heating System for Rubber Curing Application
- **Shri Kartik Srinivas, Advanced Scientific and Engineering Services, India:** Development of A Biaxial Loading Test Frame for Rubbers and Thin Film Applications
- **Dr. Saikat Dasgupta, HASETRI, India:** Determination of Crosslink Density by Dynamic Mechanical Analyser (DMA)Topic
- **Shri Vivek kumar Upadhyay & Shri Aditya Kumar Gupta, NTPC, India:** A Prospect of Joint Efficiency Test for Hot Vulcanised Conveyor Belts
- **Shri. Antonio De Stasio, Tekna Automazione E Controllo S.r.l., Italy:** Use of Vision Tire System 3D Machine to Detect Defects on Tire
- **Dr. Jagannath Chanda, HASETRI, India:** Electrical Property Characterisation for Tyre Rubber Materials
- **Smt. Suhasini Katke, IRMRA, India:** Estimation of total sulphur content in rubber by Inductive coupled plasma optical emission spectroscopy (ICP-OES)
- **Shri Anilkumar Revankar, Hindustan Aeronautics Limited, India:** Compatibility Studies of ATF And Bio ATF with Aeronautical Grade Rubbers, Sealants and Paints
- **Dr. Nibedita Kasyapi, SI GROUP India Private Limited, India:** Bio-Sourced Rubber Curing Ultra-Accelerator for Tires & Technical Rubber Goods Applications
- **Shri Chandresh M. P, SJCE, Mysore, India:** Effect of Bio-Based Plasticizer 'Liquid Farnesene Rubber' in Tyre Tread Compound
- **Shri Kumar Vineet, BKT, India:** Use of Bio/Alternative Materials for Sustainable Development of Tire Compounds
- **Shri Loganathan M, HASETRI, India:** Studies on Eco-Friendly Dipped Polyester for Tyre and Rubber Industry
- **Shri Arnaud Dufournier, Durfornier Industries, France:** Tire Wear Labelling : The Right Method
- **Shri. Manuel Bessler, UTH GmbH, Germany:** Fine Mesh Straining and Extrusion Applications for Highest Requirements with Gear Pump Systems for Rubber Compounds
- **Shri Kumaraswamy, Siemens, Digital Industries Software, India:** Tyre NVH: Importance in Ever Evolving Automotive World
- **Shri S. Gussain, ITTAC, India:** Tyre Care and Road Safety
- **Shri Rajat Gupta, BIS, India:** Role of Standardzation in Achieving Gobal Cometitivenes of Rubber Industry



Stall No	Exhibitor	Stall No	Exhibitor	Stall No	Exhibitor	Stall No	Exhibitor
001	Diamond Group	018	Nishantha Polymers	055		052	Food Stall
002	Testing Services	019	V M Print Tec	056		053	Toyota
003	MRF	020	Etech	057		054	Workshop
004	Apollo	021		058	Design Ascent	055	ChemMech
005	Finale Carbon	022	Scaletron	059	Tyre Trends	056	ChemMech
006	Venture Technologies	023		060	TechnoBiz	057	PhotoBooth
007	ATMA / ITTAC	024		061	RobTech		
008	ILASITHI	025	Unique Tyre Gel	062	RM Rubber		
009	Associated rubber chemicals	026	Aifatek	063	ZPI		
010	KRD Industries	027	KIDIN	064	CIPET		
011	ITW India PL	028	Rubor	065	Devshree		
012	Blue Ocean	029	SRIMA	066	Rub46		
013	MSI Polychem	030	NETZSCH	067	AIMIL		
014	BRDRA	031	Vikas Elast	068	TI Acode		
015	Markoni Tech	032	Vikas Elast	069	Santec		
016	Ti Techno	033	ABS Instrument	070	Santec		
017	CCD	034	Pedonabia Elastrol	071	New age		

WHO ARE EXHIBITORS

- Product Manufacturers
- Raw Material manufacturer and supplier
- Books and Periodicals
- Tyre Manufacturers
- Tyre Testing Equipment
- Material Testing Equipment
- Sustainable Materials
- Academia and Research Institute

ABOUT THE EXPO

This prestigious event aims to bring together industry leaders, experts, and innovators from the rubber and allied industries to explore the latest advancements in sustainability and circular economy. The expo will serve as a unique platform that covers the entire spectrum of the rubber industry, encompassing every stage of the product life cycle.

This event will serve as a gateway for networking opportunities, enhance your knowledge to keep up with market trends, see cutting-edge innovations, and explore business opportunities.

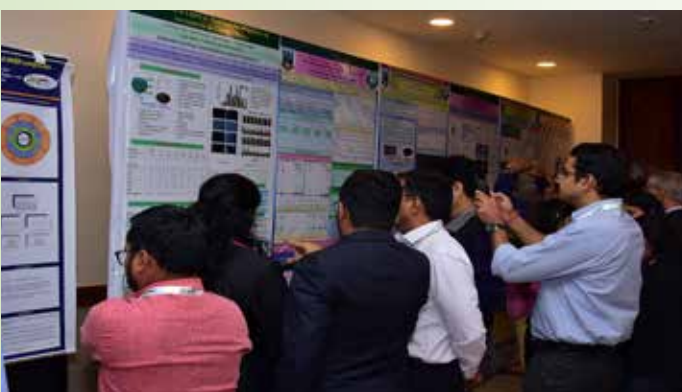
TARIFF - 12000 per sq. meter

**BOOK
YOUR SPACE**

Email : irmra23rc@gmail.com
Call : 022-6787-3200 (19 lines)
Mobile : 8698781453

VENUE
HALL NO. 3 ,
Chennai Trade Centre, Chennai

GLIMPSES OF IRMRA'S 23rd RUBBER CONFERENCE AND WORKSHOP





21st, 22nd & 23rd
SEPTEMBER
2023

CHENNAI TRADE CENTRE
Nandambakkam, Chennai, Tamil Nadu

OUR SPONSORERS

PLATINUM SPONSOR



DIAMOND SPONSOR



GOLD SPONSOR



SILVER SPONSORS



BRONZE SPONSORS



COCKTAIL SPONSOR





21st, 22nd & 23rd
SEPTEMBER
2023

CHENNAI TRADE CENTRE
Nandambakkam, Chennai, Tamil Nadu

SUPPORTERS



HIND ELASTOMERS PVT. LTD.



HARITSONS



MEDIA PARTNERS

TechnoBiz



SCIENTIFIC AND TECHNICAL COMMITTEE

Prof. Swaminathan Sivaram (Padmashri)	Padmashri G.D.Yadav
Prof. Anil K. Bhowmik	Prof. Sabu Thomas
Prof. Kinsuk Naskar	Prof. R.C.Prasad
Shri. Vinod Simon	Prof. Abhijit Bandopadhyay
Shri. Srikant Krishnamurthy	Dr. Ranjan Ghoshal
Dr. A.K. Chandra	Dr. Amit Das
Dr. Saikat Dasgupta	Dr. Chayan Das
Shri. VT Chandrasekhar	Dr. S.K.Chaturvedi DG (NCBindia)
Dr.Ramadoss	Dr. R K Matthan
Shri.SKP Amarnath	Dr. D K Setua
Dr. Virendra Gupta	Dr. M S Banerji
Dr. R. K. Jain	Prof.Neetish Shukla
Dr.Siby Vargese	Dr.Ashok Tiwari
Dr. Sreekumaran Nair	Prof.D.D.Kale
Prof. N. Nachimutthu	Prof. Garje
Prof. Abhishek Sharma	

ABOUT THE VENUE



**Sustainability & Circular Economy :
 Challenges and Opportunities for Rubber Industry**

For Further Details, Please Contact
INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION (IRMRA)
 Plot no 254/1B, Wagle Industrial Estate, Thane (West), Maharashtra - 400604
 Conference Secretariat : irmra23rc@gmail.com; 022 6787 3200(19 lines)
 Website: www.irmra.org, www.irmra.asia