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RUBBERCON
2024

**Tread Rubber &
Re-Treading Technology**

03rd – 04th DEC 2024
LE MERIDIEN, KOCHI, KERALA

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Mr. Rajesh Dahiya

Vice President Commercial (India & SAARC) Apollo Tyres Ltd Gurgaon



Rajesh Dahiya serves as the Vice President of Sales, Marketing & Service for India and SAARC at Apollo Tyres. A Tyre industry veteran with over 25 years of experience, Rajesh has been instrumental in driving the company's growth and expansion across key markets. Throughout his career, he has held various leadership roles in sales and marketing, consistently delivering strategic initiatives that have strengthened Apollo's market position. His contributions to the industry have been recognized with his appointment as ATMA Marketing Convenor on three occasions. Rajesh's deep expertise, combined with his visionary approach, continues to inspire and lead the way in the dynamic and ever-evolving Tyre industry

Mr. Giampaolo Brioschi

Group R&D Director, Marangoni SpA



Giampaolo Brioschi has worked for Marangoni SpA since 1998 and held various sales roles up to 2006 (Technical Assistance, Retreading Equipment Sales, Area Manager, Key Account Manager). Since 2006, he has focused his career on Product Management at the Group International Level.

From 2010 to 2015, he worked as a product marketing manager at Marangoni SpA North America (MTNA), developing a deep and complete knowledge of the largest retread market in the world: North America. In 2015, he returned to Italy as a corporate product manager. Since February 2017, Giampaolo Brioschi has been the Group R&D Director, reporting to the Chief Operating Officer of the Group

Mr. Unnikrishnan P K

Head – R&D Tyre Testing & Re-tread Research, Global R&D Centre Asia – Apollo Tyres Ltd



As a Tyre Technologist for 25 years, Unnikrishnan P K is passionate about creating new ways of Tyre characterization methods. He has been pivotal in establishing the 'state-of-the-art' Tyre Test Laboratory and Re-tread Research and Training Centre at Apollo Tyres Global R&D—Asia. His 10-year tenure in various rubber and allied industries functions has given him broader business acumen. As an ardent tyre industry professional, Unnikrishnan P K supports environmental sustainability and sustainable development. He has been the convener of the 'Re-tread Sub-Committee' at the 'Indian Tyre Technical Advisory Committee' (ITTAC), bringing severe focus to re-treading, a green recycling process. He is also an 'Expert Group Member' of ITTAC on Tyre certification & labelling tests. Unnikrishnan P K has been a regular speaker in Tyre technology forums, has a few patents, and has published in the Rubber Science journal..

Mr. Rajiv Mathur

Head, Indag Consultancy Programmes



Mr. Rajiv Mathur, with over 44 years of experience in the tyre industry, is a seasoned professional. His journey from a technical trainee at Goodyear Tyres to a Senior Deputy General Manager at Indag Rubber Ltd. is a testimonial of his tyre development, design, and evaluation expertise. In 1990, he joined Apollo Tyres as Assistant Manager – Technical Service, overseeing field testing and training. In 2001, he joined Indag Rubber Ltd. in a middle management position and gradually rose to Senior Deputy General Manager. He has vast experience in the flat tread process of tyre retreading, product design and development, field evaluation, troubleshooting and quality assurance. At present, Mr Mathur heads the Indag Consultancy Service Program, advising retreaders on various aspects of the retreading process, equipment selection, project implementation, and training of plant people and customers. He is considered an expert in this field

Dr. Sarat Ghosh

Vice President of R&D at Himadri Speciality Chemical Ltd, CTO Birla Tyres Ltd.



Dr. Ghosh has over 30 years of industrial experience and has worked in several reputed Tyre industries including JK Tyres, Apollo Tyres, Birla Tyres etc. He is Vice President of R&D at Himadri Speciality Chemical Ltd and also working as Chief Technology Officer of the recently taken over (jointly with DBRL) Birla Tyres Ltd. He has vast experience in Tyre Technology, which includes setting up the R&D Centre, Material and Compound research, Tyre Design and AMP simulation, Process Technology, and New Product Development—truck Bus Radial and Passenger Car Radial Tyres and Bias and off-highway Tyres. Dr. Ghosh's research interests include nanotechnology, New Materials, and Tire Simulation. He has over 12 technical publications, including 3 international refereed journal papers, and over 20 citations since 1993. He was a member of CenTiRe.

Mr. Ahamed Sherief

Quality Consultant



Ahamed Sherief is one of the sought-after leaders in quality management and business excellence systems, with over 25 years of experience in different rubber and non-rubber industries. He has worked in Moex India Ltd, NCR Corporation, CUMI (Murugappa Group) TE connectivity, and Apollo Tyres Ltd. He has expertise in Quality Management Systems such as ISO9001, TS16949, six sigma and lean manufacturing. He is an expert in TQM and is responsible for implementing such a system in different companies. He was one of the important members of the team who was responsible for achieving Deming Award for Apollo Tyres Ltd. His knowledge in all areas of quality systems and management in the rubber industry is excellent.

Schedule for the workshop		
3 rd December 2024		
Time	Title of the subject	Speaker
08.30 to 09.00	Inauguration of the Workshop	
09.00 to 10.30	Future of Indian Tyre Industry – Opportunities and Challenges	Mr Rajesh Dahiya
10.30 to 10.45	Coffee Break	
10.45 to 12.45	Latest hot process of re-treading technology to meet sustainable standards and enhance field performance	Mr. P.K. Unnikrishnan
12.45 to 13.30	Lunch Break	
13.30 to 15.00	Flat Tread Pre-cured Tread Rubber Technology – Challenges and Opportunities	Mr. Rajiv Mathur
15.00 to 15.15	Coffee Break	
15.15 to 17.15	Sustainable Tyre Solution with special focus on Marangoni Ringtread for Emerging Needs of Truck Tyre Re-Treading	Mr. Giampaolo Brioschi
19.00 to 21.00	Dinner	
4 th December 2024		
08.30 to 09.45	Quality Assurance system for re-treading industry	Mr. Ahamed Sherief
09.45 to 10 45	Compounding technology to achieve the performance requirements such as traction, mileage, Rolling Resistance and Sustainability	Dr. Sarat Ghosh
10.45 to 11.00	Coffee Break	
11.00 to 12.30	Quality Assurance system for re-treading industry	Mr. Ahamed Sherief
12.30 to 13.15	Lunch Break	
13.15 to 15.15	Importance of material testing and evaluation to meet performance requirements of tread rubber	Dr. Sarat Ghosh
15.15 to 15.30	Coffee Break	
15.30 to 17.00	Panel Discussion	

The program is designed to provide an in-depth understanding of tread rubber and re-treading technologies to help the participants gain adequate knowledge to deal with day-to-day problems and build the capability to enhance business potential. The speakers will cover the following subjects during teaching:

- Re-treading technologies such as FLAT TREAD, RING TREAD, and HOT PROCESS of re-treading technology and its merits and demerits
- Compounding approach to design compounds for snow, ice, wet traction, mileage, durability, ozone resistance, aging resistance, and cut & chip resistance
- Designing compounds to meet the regulations and standards for sustainability
- Optimization of cost and enhancement of performance
- Quality Assurance systems to achieve business excellence
- Testing and evaluation requirements of raw materials, in-process and outgoing products
- Designing of mould and manufacturing systems
- Failure analysis and corrective actions