



Hybrid Event

TechnoBiz

RUBBER WEEK

22-25 OCT 2024
COLOMBO, SRI LANKA

Venue: Ramada Colombo Hotel

TechnoBiz
RUBBER
WEEK

22-25 OCTOBER 2024
COLOMBO, SRI LANKA

Ramada Colombo Hotel

Platinum Sponsor



Gold Sponsor

Silver Sponsor



Contributor



Training
(4 Courses)

Conference
(34 Topics)

**CEO
FORUM**

**Hall of Fame
Awards**

Rubber Clinic
Ask the Experts

**Rubber
Quiz**

EVENT SCHEDULE

TRAINING PROGRAMS

22 Oct 2024 | Tuesday

9 am-12 pm: Synthetic Rubber Vulcanization
2pm-5pm : TPE/TPV: Technology & Processing

25 Oct 2024 | Friday

9 am-12 pm: Bonding Process of Moulded Rubber Products
Manufacturing: Technology & Practice
2pm-5pm : Best Practices of Rubber Mixing & Compounding

CONFERENCE PROGRAM

23-24 Oct 2024 | Wednesday - Thursday | 9 am-6 pm

- 4 Keynote Presentations
- 30 Oral Presentations

CEO FORUM

23 Oct 2024 | Wednesday | 7pm-11pm

- Rubber Industry CEO Forum *(by invitation only)*

AWARDS

23 Oct 2024 | Wednesday | 12pm-1pm

- Rubber World - Hall of Fame

RUBBER CLINIC

23 Oct 2024 | 5.15pm-6pm

24 Oct 2024 | 12pm-1pm, 3pm-3.30pm, 5.15pm-6pm

- Rubber Clinic - Ask the Experts | Discussion

QUIZ

22-25 Oct 2024

Rubber Quiz - Online Knowledge Test

Project Team



Chairman
Dr. Sisira Ranatunga



Vice-Chairman
Dr. Suranga Rajapaksha



Event Convenor
Yugantha Piyadasa



Event Director
Peram Prasada Rao

KEYNOTE SPEAKERS



Dr. Dilhara Edirisinghe



Prof. Sudantha Liyanage



KS Venkatesha



Dimantha Jayawardena

RESOURCE PERSONS



Anura De Silva



Rajasilpage Ranjith



Dr. Baggya Karunarathna



Dr. Aravinda Abeygunawardane



Prof. Kinsuk Naskar



Dr. Chandima Narangoda



Dr. Gayan Siriwardana



Dr. Ruwan Dinesh



Dr. Asangi Gannoruwa



Dr. Sudarshana Perera



Sakunthala Goonetilleke



W.D.M. Sampath



Eng. Saman Gunathilaka



Uditha Senarathna



Prof. Hemanthi Ranasingha



Prabath Rathnayake



Vindya Wijesinghe



Kaumadie Abhilasha



T. Janaki Silva



Narinder Singh



Dishan Udayanga



D.Tharindu Jayawardhana



Dr. Gamini Seneviratne



Amila Wijesinghe



Dr. Rohan S. Dassanayake



Pathirana Piyatilaka



Dr. Susantha Siriwardena



Gamini Dharmawardena



Dr. Suranga Rajapaksa



Amila Jayasinghe



Ravi Mahadeokar



Dr. Sisira Ranatunga

Training Programs

Training 1 | Synthetic Rubber Vulcanization

Speaker : Prof. Kinsuk Naskar | Schedule: 22 Oct 2024 (9am-12pm)
Registration Fee/Person: 20,000 LKR | 150 US\$

CONTENT | Basics of Vulcanization of Rubber | Sulfur/Accelerator Vulcanization: Chemistry and Applications | Problems with Sulfur/Accelerator System | Peroxide Cross-linking Chemistry | Common Peroxides for Crosslinking | Advantages and Disadvantages of Various Peroxides | Optimum Doses and Performance Properties | Applications of Peroxides for various Rubber Products | Need for a Co-agent and Performance of various Co-agents | Other Vulcanizing Agents | Green routes of Vulcanization towards Sustainability



Ravi Mahadeokar

Training 2 | TPE/TPV: Technology and Processing

Speaker : Prof. Kinsuk Naskar | Schedule: 22 Oct 2024 (2pm-5pm)
Registration Fee/Person: 20,000 LKR | 150 US\$

CONTENT | Basics of Thermoplastic Elastomers (TPE) | TPE Classification | Synthesis, Properties, Technology, Processing, and Applications of TPEs | Basics of Dynamic Vulcanization Process | Introduction to TPV | Pros and Cons of Crosslinking Agents for TPV | Production, Processing, and Properties of TPV | TPV Applications | Morphology-Rheology-Properties Relationship in TPV | Future Trends



Prof. Kinsuk Naskar

Training 3 | Bonding Process of Moulded Rubber Products Manufacturing: Technology & Practice

Speaker: Ravi Mahadeokar | Schedule: 25 Oct 2024 (9am-12pm)
Registration Fee/Person: 20,000 LKR | 150 US\$

CONTENT | Rubber Bonding Process, Introduction | Adhesive Coating Techniques & Coating Defects | Adhesive Bond Failures & Corrective Processes | Making your Bonding Process Predictable & Sustainable | Adhesive Coating Automation & Sustainability in Coating Process



Dr. Sisira Ranatunga

Training 4 | Best Practices of Rubber Mixing & Compounding

Speaker : Dr. Sisira Ranatunga | Schedule: 25 Oct 2024 (2pm-5pm)
Registration Fee/Person: 20,000 LKR | 150 US\$

CONTENT | Gain insights into the world of rubber compounding and mixing | Selecting appropriate mixing machinery, efficient workflow design and safety | Installation, Commissioning, Training, and maintenance of selected machineries | Understand best practices for achieving optimal performance in final products | Discover quality gates and control measures to ensure consistent high-quality products | Optimizing Rubber Mixing with 90 days OKRs | Digitalization of the Mixing process | Knowledge and tools to formulate high-quality rubber compounds consistently

Delegate
Registration Form



CONFERENCE PROGRAM

23 October 2024 | Wednesday

- 08:00-09:00 | Delegate & Speaker Registration
- 09:00-09:10 | Program Orientation
- 09:10-09:20 | Welcome Remarks by Program Chairman
- 09:20-10:00 | Keynote Presentation 1
- 10:00-12:00 | **Session 1 : Advanced Rubber Technology**
- 12:00-13:00 | Awards | Rubber World - Hall of Fame
- 13:00-14:00 | Lunch Break
- 14:00-14:30 | Keynote Presentation 2
- 14:30-17:15 | **Session 2 : Innovations & Value Addition**
- 17:15-18:00 | Rubber Clinic - 1

24 October 2024 | Thursday

- 09:00-09:30 | Keynote Presentation 3
- 09:30-10:00 | Keynote Presentation 4
- 10:00-12:00 | **Session 3 : Industry Perspectives & Trends**
- 12:00-13:00 | Rubber Clinic - Part 2
- 13:00-14:00 | Lunch Break
- 14:00-15:00 | **Session 4 : Productivity & Management**
- 15:00-16:00 | Rubber Clinic - 3
- 16:00-17:15 | **Session 5 : Environment & Sustainability**
- 17:15-18:00 | Rubber Clinic -4

Conference Delegate Registration Fee

- Sri Lanka Delegates: 40,000 LKR / Person
- Overseas Delegates: 200 US\$ / Person

**Conference Delegate
Registration Form**



RUBBER INDUSTRY CEO FORUM

Schedule
23 Oct 2024
7-11pm

By Invitation Only

Top Management
from Rubber Companies
are eligible to join

RUBBER WORLD HALL OF FAME

*Honoring eminent persons,
who are inspiration
to next generation in the
world of rubber.*

RUBBER QUIZ

Participants will receive
E-Certificate with Score.

RUBBER CLINIC

Ask Your Questions
& Discuss with Experts

PROGRAM AGENDA

23 October 2024 | Day 2 | Wednesday

08:00-09:00	Delegate & Speaker Registration
09:00-09:10	Forum Orientation & Agenda Peram Prasada Rao, CEO, TechnoBiz
09:10-09:20	Welcome Remarks by Forum Chairman Dr. Sisira Ranatunga
09:20-10:00	Keynote Presentation Industry University Connectivity for Better Relationship Prof. Sudantha Liyanage, Former Vice Chancellor, University of Sri Jayawardenapura
Session 1: Advanced Rubber Technology	
10:00-10:25	Synthetic Rubbers: Technological Advancements Driving Innovation Prof. Kinsuk Naskar, Rubber Technology Centre, Indian Institute of Technology, Kharagpur, India
10:25-10:40	3D Printing of Elastomers and Potential Opportunities Dr. Gayan Siriwardana, Senior Lecturer, Faculty of Technology, University of Sri Jayewardenepura
10:40-11:00	Coffee Break
11:00-11:15	Rubber Physics in Industrial Processing and Usage of Products Dr. Ruwan Dinesh Weerasooriya, Senior Lecturer, Faculty of Engineering, University of Ruhuna
11:15-11:30	Role of Analytical Methods in Reverse Engineering of Rubber Products Dr. Suranga Rajapaksa, Senior Lecturer, University of Sri Jayewardenepura
11:30-11:45	Finite Element Analysis & Modelling: Die Development Techniques in Polymer Extrusion Dishan Udayanga, Product & Process Develop. Engineer, Polymer Products Impex Pvt Ltd, Sri Lanka
11:45-12:00	Rubber Conductivity Revolution through Fillers Dr. Asangi Gannoruwa, Senior Lecturer, Faculty of Technology, University of Sri Jayewardenepura
12:00-13:00	Award Session : Rubber World - Hall of Fame
13:00-14:00	Lunch Break
Session 2 : Innovations & Value Addition	
14:00-14:30	Keynote Presentation New Product Developments with Rubber Dr. Dilhara Edirisinghe, Head, Rubber Technology & Development Department, Rubber Research Institute of Sri Lanka
14:30-14:45	Graphite Derivatives Incorporated Natural Rubber Composites W.D.M. Sampath, Sr. Research Officer, Rubber Technology & Development Dept, Rubber Research Institute of Sri Lanka
14:45-15:00	Thermal Conductive Graphite Incorporated Rubber Composites & Applications Amila Jayasinghe, Managing Director, Bogala Graphite Lanka PLC
15:00-15:15	Enhancing Natural Rubber Properties with Nanoclay: Advances in Processing Techniques Dr. Sudarshana Perera, Lecturer, Faculty of Polymer & Chemical Engineering, University of Moratuwa
15:15-15:45	Coffee/Tea Break
15:45-16:00	IP and Innovation Management: Opportunities for Rubber Industries Vindya Wijesinghe, Senior Innovation Officer, National Innovation Agency, Sri Lanka
16:00-16:15	Value Added Raw Rubber and their Applications Dr. Susantha Siriwardana, Director, Rubber Research Institute of Sri Lanka
16:15-16:30	Enhancing Industrial Tire Performance: Experimental and Numerical Insights on Sri Lankan Vein Graphite Powder Integration Dr. Aravinda Abeygunawardane, Department of Materials Science and Engineering, University of Moratuwa
16:30-16:45	Sustainability in Construction: The Role of Rubber incorporated Bitumen Compounds Amila Wijesinghe, Consultant / COO, Megakem Lanka (Pvt) Ltd
16:45-17:00	Green Innovation: Crafting Fire-Resistant Mattresses with Eggshell Powder D.Tharindu Jayawardhana, Institute of Technology, University of Moratuwa
17:00-17:15	Cellulose Nanocrystals (CNCs) and their Applications in Rubber Industry Dr. Rohan S. Dassanayake, Department of Biosystems Technology, Faculty of Technology, University of Sri Jayewardenepura
17:15-18:00	Rubber Clinic – Part 1

24 October 2024 | Day 3 | Thursday

Session 3: Industry Perspectives & Trends	
09:00-09:30	Keynote Presentation Automobile Component Manufacturing in Sri Lanka & How to Enter Global Supply Chains Dimantha Jayawardena, President, Sri Lanka Automobile Component Manufacturers Association
09:30-10:00	Keynote Presentation Achieving Zero Defect in Rubber Products Manufacturing: SRP Group Case Study K.S. Venkatesha, Managing Director, SRP Group, India
10:00-10:15	Rubber Bonding Agents / Specialty Adhesives: Latest Developments Narinder Singh, Technical Manager, Dupont, India
10:15-10:30	A Case Study on Factors to be Considered on Rubber Mould Design Rajasilpage Ranjith, Rubber & Plastics Industry Consultant, Sri Lanka
10:30-11:00	Coffee Break
11:00-11:15	Advancements in Raw Rubber Processing Technology Anura De Silvam, Former Director, Ceymac Rubber / Ceytra Pvt Ltd, Sri Lanka
11:15-11:30	Bio-Medical Applications of Rubber Products T. Janaki Silva, Head of the Department, School of Medical Laboratory Science, Medical Research Institute, Sri Lanka
11:30-11:45	A Case Study on Rubber to Metal Bonding for Automotive Rubber Products Kaumadie Abhilasha, University of Sri Jayewardenepura, Sri Lanka
11:45-12:00	Rubber Recycling and Reclaim in Sri Lanka: Technology & Opportunities Pathirana Piyatilaka, Former Head of Quality, Michelin Sri Lanka
12:00-13:00	Rubber Clinic – Part 2
13:00-14:00	Lunch Break
Session 4 : Productivity & Management	
14:00-14:15	New QA Trends in Rubber Industry Sakunthala Goonetilleke, Managing Director, Institute of Total Quality Solutions, Sri Lanka
14:15-14:30	Misconceptions in Implementing Productivity Uditha Senarathna, Lean Consultant
14:30-14:45	Leveraging Digital Transformation and Industry 4.0 in the Rubber Industry Eng. Saman Gunathilaka, Head of Business Compliance, HITEC Sensor Developments Pvt Ltd
14:45-15:00	Strategic Initiatives for the Development of Rubber Industry in Sri Lanka Dr. Gamini Senavithna, Faculty of Technology, Horizon Campus
15:00-15:30	Rubber Clinic – Part 3
15:30-16:00	Coffee/Tea Break
Session 5: Environment & Sustainability	
16:00-16:15	Environmental Concerns and Regulations Related to Rubber Industry Gamini Dharmawardena, Former Director General, Sri Lanka Standards Institute
16:15-16:30	Tapping into Green Gold: the Potential of Rubber Plantations in Carbon Accounting Prof. Hemanthi Ranasingha, University of Sri Jayawardenapura
16:30-16:45	From Tree to Market: Ensuring Organic Integrity with Global Organic Latex Standard (GOLS) Prabath Rathnayake, Director Scheme Manager at Control Union Inspections Pvt Ltd
16:45-17:00	Enhancing Resource Recovery: Computational Insights into Reclaiming Resources from End-of-Life Rubber Products Dr. Baggya Karunarathna, Senior Lecturer, Faculty of Science, Eastern University
17:00-17:15	Sustainable Rubber Waste Management & Rubber Self-Regeneration Dr. Chandima Narangoda, Director, Center for Advanced Materials Chemistry (CAMR), University of Sri Jayewardenepura
17:15-18:00	Rubber Clinic – Part 4

RUBBER QUIZ



- Participants will receive an E-Certificate whose score is more than 75%
- Participants can finish this quiz before 26 October 2024
- Participants are encouraged to discuss with other participants and speakers to complete the quiz
- **Password** to access the quiz is “RQSL1024”

RUBBER WORLD HALL OF FAME

A TechnoBiz Project

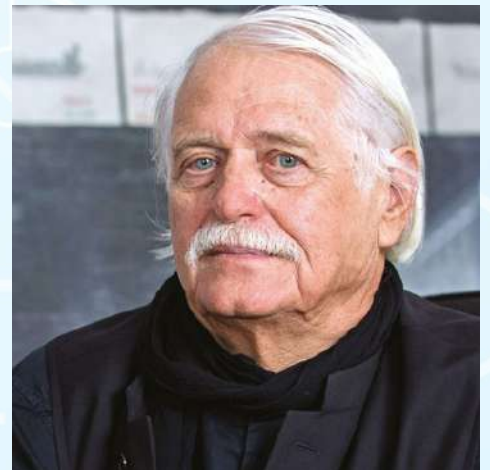
AWARDEES 2024



Thilak De Zoysa



Dr. Nanda Fernando



Pierre Pringiers

PROJECT PARTNERS

TechnoBiz

RubberWorld



TechnoBiz
**RUBBER
INDUSTRY
CEO FORUM**

23 OCTOBER 2024
COLOMBO, SRI LANKA
RAMADA COLOMBO HOTEL
7PM-11PM

GUEST SPEAKER



SME
**Leadership Challenges
for Industry 5.0
Transformation**

Eng. Gamini Nanda Gunawardana

Participation is by invitation only
Program includes Cocktail & Dinner
Dress Code : Business Casual / Formal

**EXECUTIVE
DIPLOMA
360°**

**RUBBER INDUSTRY
TECHNOLOGY & MANAGEMENT**

TIME LENGTH: 3, 6, 9, 12 MONTHS

<https://diploma.technobiz.org>

TechnoBiz Exhibitions 2025 for Rubber & Tyre Industries



12-14 MARCH 2025
BANGKOK, THAILAND

Middle East
RUBBER
& TYRE
EXPO

17-19 JUNE 2025
SHARJAH, UAE



**The Gateway
to Global Markets & Knowledge-Hub
for Rubber, Latex & Tyre Industries**

BOOTH COST | BOOKING FORM

Standard Shell Scheme

- 9 SQM Booth : 4,300 US\$
- 18 SQM Booth : 7,500 US\$

Raw Space

- 36 SQM Space : 15,500 US\$
- 72 SQM Space : 25,900 US\$

Remarks: Additional Cost applies for the corner booths. More Options Available.

Booking Form



12-14 MAR 2025
BANGKOK



17-19 JUN 2025
SHARJAH

Web: <https://expo.technobiz.org> | Tel/WhatsApp: +66-89-489 0525

TechnoBiz
CONFERENCE

RUBBER, LATEX & TYRE
CALENDAR 2025

TYRE
MANUFACTURING
CONFERENCE

12-13 March 2025, Bangkok

TechnoBiz
RUBBER
WEEK

21-24 October 2025, Colombo

RUBBER & TYRE
MARKET
CONFERENCE

14 March 2025, Bangkok

SMART
RUBBER
FACTORY
CONFERENCE

29-30 January 2025, Bengaluru

SPECIALTY
ELASTOMERS
CONFERENCE

9 May 2025, Bengaluru

RUBBER
SILICA
CONFERENCE

17-18 July 2025, Chennai

RUBBER
INNOVATIONS
FORUM

9-10 October 2025, Delhi

SILICONE
RUBBER
CONFERENCE

10 May 2025, Bengaluru