



PIRC 2024

**PRIM INTERNATIONAL RUBBER
CONFERENCE 2024**

3rd ~ 5th September 2024

**Kuala Lumpur Convention Centre (KLCC)
MALAYSIA**

Innovating Sustainable Polymer Products

www.prim.org.my/pirc



HRD Corp: 10001435005

In Collaboration With:



CONFERENCE SCHEDULE

1st Day (3rd September 2024, Tuesday)

PIRC 2024 & 11th IRGCE JOINT OPENING CEREMONY

PIRC 2024 & 11th IRGCE JOINT OPENING CEREMONY

Plenary Hall - Level 1, KLCC

(Dress Code: Business Attire)

08:00 - 08:30

ARRIVAL OF GUESTS

09:00

ANNOUNCING THE ARRIVAL OF GUEST-OF-HONOUR

YB Datuk Seri Johari Bin Abdul Ghani

Minister Plantation and Commodities of Malaysia

09:05

NATIONAL ANTHEM

09:10

WELCOME ADDRESS BY MARGMA PRESIDENT

09:20

KEYNOTE ADDRESS BY GUEST-OF-HONOUR

LAUNCHING OF 11TH IRGCE 2024 BY GUEST-OF-HONOUR

09:40

PRESENTATION OF MOMENTO TO GUEST-OF-HONOUR

09:50 COFFEE BREAK

10:30

TOUR OF EXHIBITION BY GUEST-OF-HONOUR

12:00

PRESS CONFERENCE

PRESS CENTER

12:30

LUNCH

Disclaimer:

The Conference Committee reserves the right to amend the programme and speaker line-up without prior notice to delegates and in the best interest of the conference.

CONFERENCE SCHEDULE

1st Day (3rd September 2024, Tuesday)

PIRC 2024 & 11th IRGCE

JOINT PLENARY LECTURES



VENUE: PLENARY THEATRE, LEVEL 3, KLCC

14:00 - 14:35	<p>Muhammad Eizaaz bin Muhammad Redzuan <i>Chief Executive Office, (Malaysia Rubber Council)</i> Branding & Marketing of Medical Gloves for the Sustainability of Glove Industry in Malaysia</p>
14:35 - 15:05	<p>YH. Dato' Dr Zairossani Mohd Nor <i>Director General (Malaysian Rubber Board)</i> Effective and Sustainable Rubber Supply in Malaysia</p>
15:05 - 15:40	<p>Ulrich Antoni <i>Managing Director (Agridence Rubber Pte Ltd, Singapore)</i> EUDR – Impact and on-the-ground implementation relevant to the natural rubber industry</p>
15:45 - 16:05	TEA BREAK
16:05 - 16:40	<p>Prof Dr Jitladda Sakdapipanich <i>(Mahidol University, Thailand)</i> Advances in abating latex protein allergy of natural rubber gloves by strategic combination of purification process, fine-tuning of compounding and Impact assessment</p>
16:40 - 17:15	<p>Dr Banja Junhasavasdikul <i>Chairman (Innovation Group, Thailand)</i> “From Tree to Products: Innovations in total value chain”</p>

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CONFERENCE SCHEDULE

2nd Day (4th September 2024, Wednesday)

DAY 2: Wednesday 4th September 2024	
PIRC 2024 - ROOM 304 & 305	
SESSION 1	
Thematic session	Sustainability in Rubber Industry
Session chairperson	Mr. Raja Sellamuthu <i>Head Of Technical & Product Development - Weir Minerals Malaysia</i> <i>Committee Member - PRIM</i> <i>Vice President - MPRMA</i>
0900 – 0925	Ms. Vimala Raghawan <i>Niosh Resources, Malaysia</i> Enhancing Sustainability in the Rubber Industry Through Environmental and Health & Safety Compliance
0925 – 0950	Mr. Koay Hean Yeow <i>Green Total Renewable Sdn Bhd, Malaysia</i> Rubber Industry ESG Compliance
0950 - 1015	Mr. Peram Prasada Rao <i>Technobiz, Thailand</i> Sustainability of Rubber Industry: Role of Professional Education
1015-1035	Coffee/ Tea Venue: Level 3 Foyer (West wing)
SESSION 2	
Thematic session	Keynote Session 1
Session chairperson	Assoc. Prof. Dr. Nadras Othman <i>Universiti Sains Malaysia, Malaysia</i>
1035-1120	Prof. Dr. Charoen Nakason <i>Prince of Songkla University, Thailand</i> Coordination Vulcanisation of Natural Rubber by Reactive Metal Ions
1120-1205	Prof. Dr. Shin Sakurai <i>Kyoto Institute of Technology, Japan</i> Synchrotron Wide-Angle Xray Scattering Studies on Strain-Induced Crystallisation of Vulcanised Natural Rubber Under Biaxial Elongation
1205-1250	Prof. Dr. Cattaleeya Pattamaprom <i>Thannasat School of Engineering, Thailand</i> Fine-Tuning Heat Resistance and Impact Toughness of Natural Rubber-Toughened PLA by PLA/PDLA Stereocomplexation
1300-1400	Lunch Venue: Level 3 Grand Ballroom (East wing)
SESSION 3	
Thematic session	Keynote Session 2
Session chairperson	Mr. Chan Pak Kuen <i>Past President Plastics & Rubber Institute Malaysia, Malaysia</i>
1400-1445	Dr. Boontham Nithi-Uthai <i>Patexfoam, Thailand</i> Anti-Bedsore Mattress from Natural Rubber
1445-1530	Dr. Pairote Jittham <i>Innovative Rubber Manufacturing Research Group (IRM)</i> <i>National Metal and Metal Materials Technology Centre (MTEC)</i> <i>National Science and Technology Agency (HNSTDA)</i> Tires for Electric Vehicles Studied by MTEC
1540-1600	Coffee/ Tea Venue: Level 3 Foyer (West wing)

UPDATED 26 AUG

DAY 2: Wednesday 4th September 2024	
11th IRGCE - PLENARY THEATER	
SESSION 1	
Thematic session	Sustainability
Session chairperson	Mr. Mohammad Hafezh Abdul Rahman <i>Malaysian Rubber Council (MRC)</i>
0900 – 0925	Stefano Savi <i>Global Platform for Sustainable Natural Rubber</i> Integrating sustainability into supply chain operations
0925 – 0950	Marisa Razeek <i>International Trade Center</i> From Forest to Market: Smallholders Navigating Sustainability Requirements in Malaysia's Rubber Industry
0950 - 1015	Dr. Muhammad Fadzli Ali <i>Malaysian Rubber Board</i> Charting the Future of Sustainable Natural Rubber: Malaysian Sustainable Natural Rubber (MSNR)
1015-1035	Coffee/ Tea Venue: Level 3 Foyer (West wing)
SESSION 2	
Thematic session	Sustainability
Session chairperson	Mr. Felix Darrel <i>Malaysian Rubber Glove Manufacturers Association (MARGMA)</i>
1035-1100	Xin Xin, Zhang, <i>Preferred by Nature</i> Bridging the Gap: Preparing Rubber Companies for the European Union's EUDR Implementation by December 30 2024
1100-1125	Dr. Harald Sipple <i>ESG Malaysia</i> Navigating The European Deforestation Regulation: What Steps Malaysian Companies in The Rubber Industry Must Take to Become Compliant
1125-1150	Dr. Gareth Simpson <i>Synthomer Sdn Bhd</i> Digital Solution for A Sustainable Glove Supply Chain
SESSION ENDS	
1300-1400	Lunch Venue: Level 3 Grand Ballroom (East wing)
SESSION 3	
Thematic session	Regulatory
Session chairperson	Pn. Noor Akilah Saidin <i>Malaysian Rubber Glove Manufacturers Association (MARGMA)</i>
1400-1425	Shabinah Filza Mohd Sharib <i>Malaysian Rubber Board</i> Biodegradability of Disposable Rubber Gloves from The Past and Future Perspectives
1425-1450	Dr. Siby Varghese <i>Kerala Rubber Limited</i> Shelf-Life Prediction of Natural Rubber Based Surgical Gloves
1450-1515	Martin Heels & Emma Norris <i>Satra Technology</i> Lifecycle Analysis and Carbon Footprints for the Glove industry
1515-1540	Dr Kartini Alias <i>Malaysian Rubber Board</i> Updates on new and revise test method/ specification related to glove and latex
1540-1600	Coffee/ Tea Venue: Level 3 Foyer (West wing)
SESSION 4	
Thematic session	Advanced material
Session chairperson	Dr. Eng Aik Hwee <i>Malaysian Rubber Glove Manufacturers Association (MARGMA)</i>
1600-1625	Ranvir S Virdi <i>Robinson Brothers Limited</i> Developments in Safer Accelerators for The Latex Industry
1625-1650	Prof Chow Wen Shyang <i>University Sains Malaysia</i> Sustainable Polymer Blend-based Latex: Trends, Challenges and Opportunities

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CONFERENCE SCHEDULE

3rd Day (5th September 2024, Thursday)

UPDATED 26 AUG	PIRC 2024 - ROOM 304	PIRC 2024 - ROOM 305	11th IRGCE - PLENARY THEATER
	SESSION 1	SESSION 1	SESSION 1
Thematic Session	Innovation of Rubber Products	Synthetic and Bio-based Polymers - 1	Advanced Material
Session Chairperson	Assoc. Prof. Dr. Patrick Tang <i>Monash University, Malaysia</i>	Assoc. Prof. Dr. Norazilawati Muhamad Sarih <i>Universiti Malaya, Malaysia</i>	Fatimah Rubaizah Mohd Rasdi <i>Malaysian Rubber Glove Manufacturers Association (MARGMA)</i>
0900 - 0925	Dr. Mahmud Iskandar Seth A Rahim <i>Malaysian Rubber Board, Malaysia</i> Performance of Smart Magnetic Rubber for Anti-Vibration Applications	Dr. Sarunya Phunpee <i>Chulalongkorn University, Thailand</i> Tailoring UCST-LCST-pH Multiresponsive Window through a Single Complex of Chitosan-Hyaluronic Acid for Controlled Drug Delivery	Dr. Andrew Hearley <i>Cariflex Pte. Ltd</i> A Journey adapting to growing polyisoprene (PI) Latex demand, performance, and sustainability requirements
0925 – 0950	Ms. Adeline Kung <i>Cariflex, Malaysia</i> Brominated IIR-Isoprene Rubbers Medical Stoppers	Dr. Shameer Hisham <i>Universiti Malaya, Malaysia</i> Photoresponsive Azobenzene End-Functionalised PMMA via Alkoxide-Initiated Living Anionic Polymerisation	Dr. Yeampon Nakaramontri <i>King Mongkut's University of Technology Thonburi (KMUTT)</i> Disinfectant Natural and Synthetic Rubbers Films Filled with Nano Zn Composites for Rubber Applications
0950 - 1015	Ms. Mahirah Mohd Idris <i>Malaysian Rubber Board, Malaysia</i> Rheological Effect of Natural Rubber Additives in Bitumen Modification for Conventional Binders: From Unaged to Aged Bitumen	Dr. Lee Siang Yin <i>Malaysian Rubber Board, Malaysia</i> Palm-based polyurethane: Green synthesis route with isocyanate-free, solvent-free and catalyst-free	Regulatory Carlos Busquets <i>Responsible Glove Alliance</i> Shared Responsibility to Address Forced Labor and Emerging Regulatory Requirements
1015-1035	Coffee/ Tea Venue: Level 3 Foyer (West wing)	Coffee/ Tea Venue: Level 3 Foyer (West wing)	Coffee/ Tea Venue: Level 3 Foyer (West wing)
	SESSION 2	SESSION 2	SESSION 2
Thematic session	Polymer Blends and Composites	Natural Rubber Latex Processes and Products	Technology
Session chairperson	Ts. Dr. Muhammad Umar Zulkifli <i>Malaysian Rubber Board, Malaysia</i>	Assoc. Prof. Dr. Desmond Ang <i>Universiti Malaya, Malaysia</i>	Prof Dr. Azura A Rashid <i>Malaysian Rubber Glove Manufacturers Association (MARGMA)</i>
1035-1100	Mr. Pisit Pimrat <i>Rubber Authority of Thailand, Thailand</i> Influence of difference types of Butadiene Rubber and its Blend Ratios with Natural Rubber on Dynamic Properties of Tire Sidewall Compounds	Mr Tan Yi Wei <i>Nottingham University, Malaysia</i> The Effect of Potassium Oleate and Mixing Techniques on the Foaming Behaviour of Natural Rubber Latex Foam	Dr. Woo Choon Kong <i>Woock Research PLT</i> Double / Multiple Glove Donning and Multi-Layered Dipping Technology Evolutionary Innovations
1100-1125	Dr. Nik Intan Nik Ismail <i>Malaysian Rubber Board, Malaysia</i> Developing Eco-friendly Thermoplastic Rubber Blends for Sustainable Manufacturing: Challenges and Opportunities	Mr. Ruslimie Che Ali <i>Malaysian Rubber Board, Malaysia</i> Biodegradability of Natural Rubber Latex Foam Shoe Insoles	Anil Skariah <i>Thaimed Babyproducts Co. Ltd</i> The Nitrile Gloves Scrap to Gold
1125-1150	Dr. Rohani Abu Bakar <i>Malaysian Rubber Board, Malaysia</i> Degradable Pressure-Sensitive Adhesives Made from Thioester-Functional Acrylate Copolymers	Mr. Nelson Kim Soon Ong <i>International Medical University (IMU), Malaysia</i> Cytotoxicity Evaluation of Medical Gloves Prepared by 'Safe' Accelerators, Diisopropyl Xanthogen Polysulphide (DIXP) and Zinc Diisononyl Dithiocarbamate (ZDNC)	Dr. Leo Choe Peng <i>University Sains Malaysia</i> The Applications of Membrane Separation in The Natural Rubber Industry
1150-1215	Assoc. Prof. Dr. Nadras Othman <i>University Sains Malaysia, Malaysia</i> Effect of Various Types of Silane on the Dynamic Mechanical Properties of Hybrid Carbon Black/Lignin Filled NR/BR Composites	Assoc. Prof. Dr. Patrick Tang <i>Monash University, Malaysia</i> Self-Healing Rubber Glove for Enhanced Hand Protection and Safety	SESSION ENDS
1215-1240	Dr. Chan Boon Lye <i>Yeoh Guan Aun Edtech Associate Sdn Bhd</i> Hevea Brasiliensis NR : Potential Commercial Application of Methyl Methacrylated NR, Heveaplus MG50 in the Paint and Coating Industries with the ATR FTIR Spectral Analyses of the Final Blend Composite with Acrylate Emulsified Paint	Mr. Tan Lu Quan <i>Getahindus (M) Sdn Bhd</i> Sulphur-less Prevulcanised Latex Compound for Sustainable Applications in Dipped Products	
1300-1400	Lunch Venue: Level 3 Grand Ballroom (East wing)	Lunch Venue: Level 3 Grand Ballroom (East wing)	Lunch Venue: Level 3 Grand Ballroom (East wing)
	SESSION 3	SESSION 3	SESSION 3
Thematic session	Rubber Analysis	Rubber Economy	Technology
Session chairperson	Mr. Ahmad Kifli Che Aziz <i>Malaysian Rubber Board, Malaysia</i>	Mr. Pong Kai See <i>Past President Plastics & Rubber Institute Malaysia, Malaysia</i>	Mr. Sivaynana Moorthy <i>Malaysian Rubber Glove Manufacturers Association (MARGMA)</i>
1400-1425	Ms. Supaporn Kerdhiri <i>Rubber Authority of Thailand, Thailand</i> Development of Rubber Compounds for the Production of Rubber Block Reference Materials with Hardness in the Range of 40-90 Shore A (According to ISO 17034)	Dr. Norlee Ramlee <i>Malaysian Rubber Board, Malaysia</i> The Causal Relationship of Price Volatility in Natural Rubber, Synthetic Rubber, Crude Oil and Macroeconomic Variables in Malaysia	Chester Tan <i>AFA Technologies</i> Advancement in Glove Packing Automation towards Sustainability
1425-1450	Mr. Mohammad Syaarani Danya <i>Malaysian Rubber Board, Malaysia</i> Natural rubber or synthetic polyisoprene: how to distinguish?	Mr. Toh Heng Guan <i>Association of Natural Rubber Producing Countries</i> The Rubber Economy Outlook 2024: Opportunities and Challenges	Min Yongbe <i>Ningbo Demy (D&M) Bearings Co., Ltd</i> The Important Role of Bearings in Glove Production and the Exploration of Service Life Length
1450-1515	SESSION ENDS	Prof. Joseph Adelegan <i>International Rubber Study Group</i> Outlook For Demand and Supply of Natural Rubber: Challenges and Opportunities For A Sustainable Future	Dr. Chan Yin Thai, <i>Budget Champ Sdn Bhd</i> Investigating The Factors That Influence Elastic Modulus and Stress Retention in Accelerator-Free Nitrile Latex
1515-1535	Coffee/ Tea Venue: Level 3 Foyer (West wing)	Coffee/ Tea Venue: Level 3 Foyer (West wing)	Coffee/ Tea Venue: Level 3 Foyer (West wing)
	SESSION 4	SESSION 4	SESSION 4
Thematic session	Innovations and Applications of Carbon Black	Synthetic and Bio-based Polymers - 2	Technology
Session chairperson	Mdm. Ng Kha Chan <i>President Plastics & Rubber Institute Malaysia, Malaysia</i>	Dr. Lee Siang Yin <i>Malaysian Rubber Board, Malaysia</i>	Dr. Amir Hashim Md. Yati <i>Malaysian Rubber Glove Manufacturers Association (MARGMA)</i>
1535-1600	Assoc. Prof. Ts. Dr. Ong Siew Kooi <i>UniKL, Malaysia</i> Biocarbon: A Potential Replacement to Carbon Black?	Assoc. Prof. Dr. Norazilawati Muhamad <i>Universiti Malaya, Malaysia</i> Polymer Film Hygroscopicity Enhanced By Graphene Oxide: Insights Into Moisture Sorption	Holger Schroder <i>STIEC Industrietechnologie</i> The Impact of Replacing the Transport Chain in Rubber Glove Production - a New Technology, its Energy Savings, its Feasibility
1600-1625	Dr. Teku Zakwan Zaeimoeidin <i>Malaysian Rubber Board, Malaysia</i> Assessment of Characteristics and Properties of Recovered Carbon Black (rCB) Filler in Rubber Compounds for Rubber Product Application.	Dr. Liew Yun Khoon <i>International Medical University (IMU), Malaysia</i> Anionic Bio-Based Polyester Surfactants Prepared From Palm Kernel Oil And Coconut Oil: Effect Of Chain Branching And Their Antibacterial Activities.	Norihide Enomoto <i>Midori Anzen Co., Ltd & Nadia Wan Azman</i> M-GEN2 Technology for the New Generation of Rubber Industry. CO2 Reduction in the Production of Accelerator Free Nitrile Rubber Gloves
1625-1650	Dr. Siti Salina Sarkawi <i>Malaysian Rubber Board, Malaysia</i> Green Pathways: Unveiling Potential – Bio Carbon Black vs. Pyrolysis Carbon Black in Rubber Compounds	Assoc. Prof. Dr. Fathilah Ali <i>International Islamic University Malaysia, Malaysia</i> Investigating Kenaf and Pineapple Leaf Fibers for Sanitary Application	Dr. Bob Groves <i>University of Cambridge</i> The Formation of Metal Salts in Carboxylated Nitrile Latex

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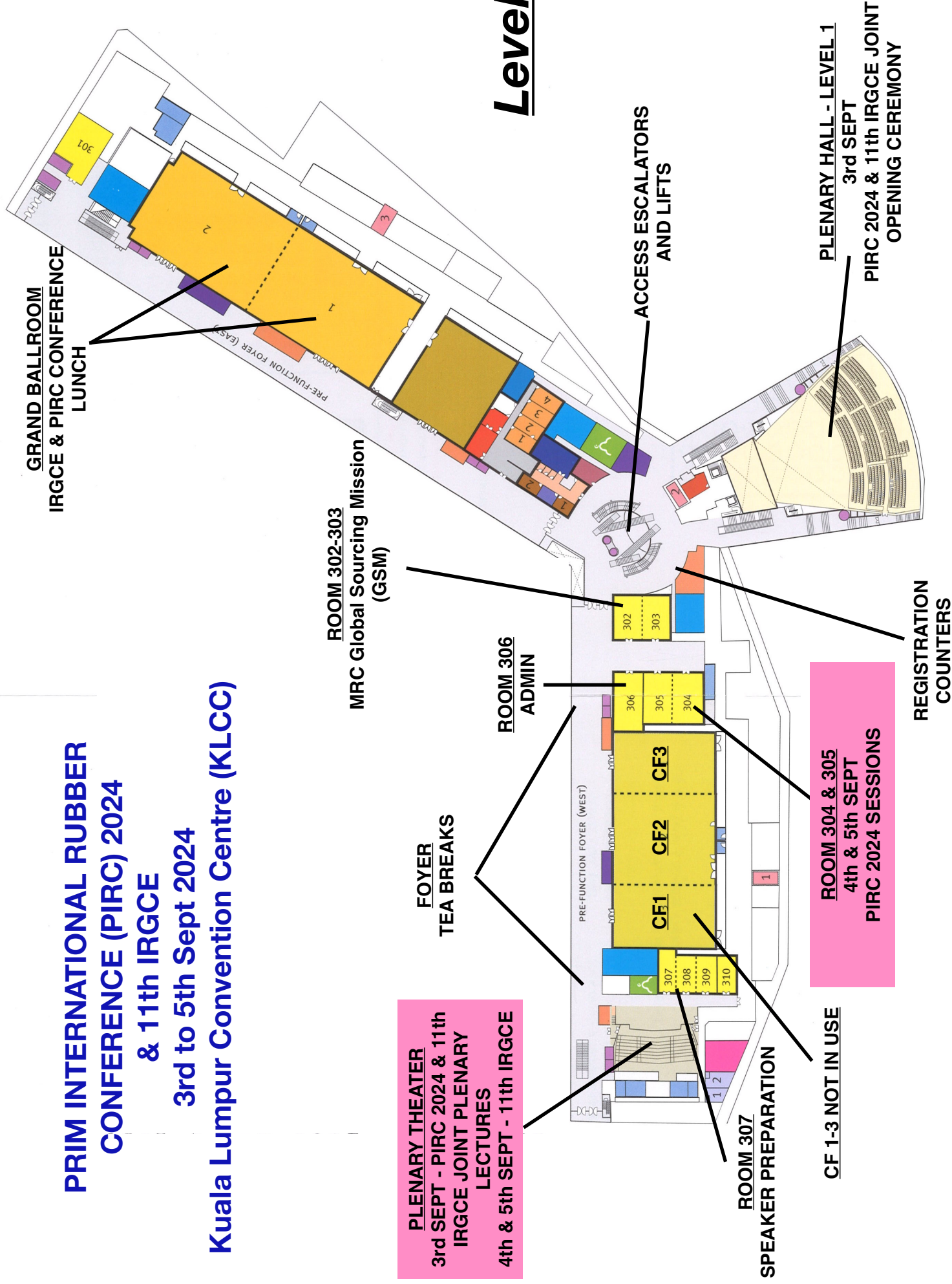
PRIM INTERNATIONAL RUBBER CONFERENCE (PIRC) 2024

& 11th IRGCE

3rd to 5th Sept 2024

Kuala Lumpur Convention Centre (KLCC)

Level 3





PIRC 2024

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CONFERENCE 2024**

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3rd ~ 5th September 2024

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TOPICS & REGISTRATION INFORMATION

Polymer Science & Technology

- Biotechnology & Upstream
- Materials Science for Polymer Application
- New Polymer Synthesis
- Novelty in Rubber

Environmental & Sustainability

- Sustainability
- Environmental Management
- Safety & Health

Manufacturing & Engineering

- Advanced Processing Technology
- Applications, Products and Engineering

Techno-Economic & Marketing

- Rubber Techno-economics
- Rubber Marketing and Pricing

Registration Fee for Participants.	International	Malaysian	HRD Corp*	PRIM Member	Student International	Student Malaysian
Early Bird (31 July 2024)	USD 250	RM 1000	RM 1100	RM 900	USD 150	RM 500
Normal Fee (Until 2nd Sept 2024)	USD 350	RM 1400	RM 1500	RM 1300	USD 150	RM 500
On-site	USD 500	RM 2000	RM 2200	RM 2000	USD 150	RM 500

* HRD Corp 10001435005

** All bank charges and fees to be paid by participants.



**TO REGISTER, SCAN QR CODE OR
GO TO www.prim.org.my/pirc**

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