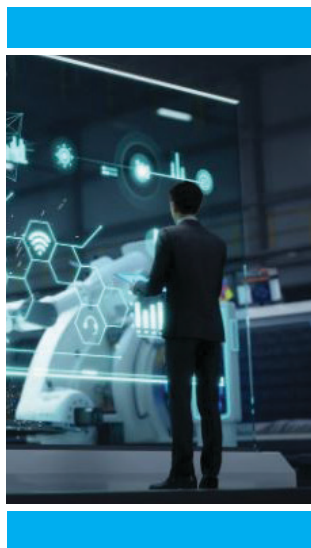


One-day Seminar

Chemical Industry 5.0



Stay Ahead in Sri Lanka's Evolving Chemical Industry!



Chemical Industry 5.0

Chemical Industry 5.0 integrates human expertise with advanced AI, automation, and sustainability to enhance efficiency, customization, and environmental responsibility. It focuses on smart manufacturing, circular economy practices, and human-machine collaboration for safer, more sustainable chemical production.

Chemical Industry 4.0 vs 5.0: What's Next?

While Chemical Industry 4.0 focuses on digitalization and automation, Industry 5.0 enhances human-AI collaboration, sustainability, and personalized chemical solutions. It recognizes the importance of human skills, creativity, and emotional intelligence.

Attributes of Industry 5.0

- ⦿ **Human-machine collaboration:** Integrating AI, robotics, and human expertise to enhance innovation, efficiency, and sustainable chemical production.
- ⦿ **Sustainability:** Driving green innovation through renewable resources, circular economy, and eco-friendly processes for a cleaner, smarter future.
- ⦿ **Artificial Intelligence:** Revolutionizing chemistry with AI-driven research, smart automation, and predictive analytics for safer, more efficient, and sustainable innovations.
- ⦿ **Resilience:** Building a flexible, adaptive, and crisis-resistant chemical sector through AI, digital twins, and smart supply chains for uninterrupted innovation.
- ⦿ **Personalization:** Tailoring chemical solutions with AI and advanced technologies to meet specific industry needs, ensuring efficiency, innovation, and sustainability.
- ⦿ **Telecommunication:** Enabling real-time data exchange, remote monitoring, and seamless collaboration across global chemical operations for smarter, more efficient production.

Speakers



Keynote Speech

Prof. Ajith de Alwis

Professor and Head
Department of Chemical and Process Engineering
University of Moratuwa



Human-Machine Collaboration

Prof. Roshan Ragel

Professor and Head
Department of Computer Engineering
University of Peradeniya



Sustainability in the Chemical Industry

Dr. Thiwanka de Fonseka

Director of Sustainability
Komar Brands



Artificial Intelligence in the Chemical Industry

Mr. Sampath Thirimavithana

Chief Executive Officer
Sponge Global



Building Resilient Industries

Mr. Sameera Hewage

Deputy General Manager
MAS Intimates



The Era of Personalization

Mr. Dilshard Perera

Director of Sales, Marketing & HR
Bellose Lanka (Pvt) Ltd



Telecommunication in Smart Manufacturing

Mr. Thisara Kasthuriarachchi

Vice President/ Head of Business Growth & Operations
Dialog Axiata PLC

Why Attend?

This seminar helps Sri Lankan chemical industry workers understand Industry 5.0, which combines AI, automation, and sustainability to improve efficiency and promote eco-friendly practices. It is a great opportunity to learn from leading experts and stay competitive in a rapidly evolving global industry.

Registration Information

Registration Fee Student: 2000 LKR Member: 3000 LKR Non-member: 3500 LKR	Registration Deadline March 25, 2025	Venue 341/22, Kotte Road, Welikada, Rajagiriya
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Registration Link

<https://forms.gle/ZWsbSiCcMYCjCjzU6>

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