



**Kolkata
Section**

*Join us to share knowledge & meet the
challenges of the future.*

***ISA Kolkata Section
cordially invites you to a WEBINAR on
Analysers in Industrial Automation
On Saturday, 25 July 2026, at 05.00 pm***

***Mr. Sankar Kannan, Technical Director in Innovative Technologies, will be the presenter.
Mr Ram Chandra Chakraborty, former MD of PSI Metals India Ltd and Program Chair of ISA
Kolkata Section, will be the moderator.***

Please join the Seminar. You may join by clicking the link below or scanning the QR Code:



<https://msteams.link/8H4C>

***You may please send your specific queries on the topic to make the discussion more interesting at
<info@isakolkata.org> by 24th July 2026.***

***Ram Chandra Chakraborty
Program Chair
Mob: 9748767008***

***Sushanta Saha
President
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Mr. Sankar Kannan, is an Electronics & Communication Engineering graduate from Madras University. He has extensively worked with Thermax Fuji Electric, Shimadzu, Mettler Toledo, Chemtrols, SICK and Endress + Hauser. Presently, he is the Technical Director in Innovative Technologies. He is extensively trained in analysers in Japan, Singapore, Philippines, Germany and Italy. His knowledge is extensive on Emission and Process Gas Analysis. He is an expert resource for regulatory authorities and organisations working with Environment protection.

Abstract:

Gas analysers play a critical role in optimising efficiency and ensuring environmental compliance across modern chemical, steel, & refinery operations. This session provides a comprehensive exploration of these vital instruments, focusing heavily on both process optimisation and continuous emission monitoring applications. We will systematically categorise the various types of gas analysers based on their distinct sampling methodologies & foundational working principles. A significant portion of the discussion will demystify the underlying physics of these instruments, beginning with the core concepts of spectrometry. The presentation will then delve into advanced, high-precision optical techniques. Furthermore, we will examine cutting-edge methodologies like Optical Feedback Cavity Enhanced Absorption Spectroscopy (OFCEAS) to evaluate their unique advantages in complex industrial environments. To provide a clear reference framework, attendees will be presented with a comprehensive matrix detailing various measurement technologies mapped directly to their corresponding target gas components. Navigating this vast array of instrumentation can often be daunting for both instrumentation students and seasoned plant professionals. To address this challenge, the session culminates in a practical, application-based guide designed to help you confidently select the optimal measuring technology tailored to specific operational conditions. Ultimately, participants will leave equipped with actionable insights that successfully bridge the gap between theoretical measurement principles and robust, real-world industrial implementation.