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Imaging Probing System for Precision Engineering Application

We are delighted to invite you to this insightful session on image processing technology and its impact in this demanding industry of Precision Engineering. In this session, we will focus on the applications of Imaging Probing System streamlining your industrial measurement, inspection and quality control.

Date	**Thursday, 1 August 2024**	
Time	09:30 AM to 12:30 PM (Registration begins at 09:00 AM)	
Venue	5 Jalan Kilang Barat #07-05 Petro Centre, Singapore 159349	
Our speakers	 **Mark Lim** Regional Operations Director Cairnhill Metrology	 **Dr Yin Xiaoming** Lead Research Engineer, Optics & Imaging Systems, SIMTech
	 **Wilson Soo** Applications Engineer Cairnhill Metrology	 **Dr Andy Malcolm** Group Manager, Optics & Imaging Systems, SIMTech
Topics	• **ISO10360 & Imaging Probing System** • **Image Processing for Dimensional Metrology** • **Industry Imaging Probing System Probe** • **Forum: Application of Imaging Probing System for Precision Engineering** • **Tour of Metrology Applications Centre**	

Why Should You Attend

- Understand the industrial standards for geometrical and dimensional measurement.
- Appreciate the use of the Imaging Probing System, and its Processing Technology, for Precision Engineering applications.
- Appreciate the features of an Industrial Imaging Probing System.
- Participate in forum to exchange views on how the Precision Engineering industry can better benefit from industrial imaging probing systems.

Free registration is open until 26 July 2024. Register **here** or send us an email at sales@cairnhill.com.
Allocation is on a first-come, first-serve basis.

Lunch & Refreshments are provided

You may also approach our team for a one-to-one private discussion

About our Speakers

Dr Andy Malcolm is a highly experienced research and development professional with over 35 years of experience in non-contact, non-destructive, optical and X-ray based 3D inspection and measurement systems for industrial applications. He received his PhD from the Liverpool John Moores University in 1995 for work on Fourier analysis for precision measurement. He is currently the Group Manager for the Optics and Imaging Systems Group at SIMTech focusing on extending and enhancing the industrial adoption of automated inspection systems as key enabling technologies for high-value advanced manufacturing. He is a Fellow of the Non-Destructive Testing Society Singapore (FNDTSS), Vice-Chairman of the SGNDT Certification Committee and Member of the Council Committee on Inspection (CCI) under the Singapore Accreditation Council (SAC).

Dr Yin Xiaoming is a Lead Research Engineer in Optics and Imaging Systems at the Research Institute. She received her PhD in Computer Vision from Nanyang Technological University, Singapore, in 2002. Dr. Yin specialises in algorithm and software development for 2D/3D image processing, x-ray image processing, object detection, and defect inspection. With over 20 years of industrial and R&D experience, she has developed practical solutions and advancements in these fields, contributing to both the academic and industrial communities.

Dr Mark Lim is the Regional Operations Director of Cairnhill Metrology Pte Ltd. Prior to joining Cairnhill, he held responsibilities as Programme Director for Startup Incubation in NUS, Industry Development Director in the Institute of Materials Research and Engineering, Research Cluster Head with the Science and Engineering Research Council of A*STAR.

Wilson Soo works for Cairnhill Metrology as an application engineer. In 2016, he graduated from Singapore Institute of Technology-Newcastle University with a bachelor's degree. He is proficient at ensuring precision and reliability in industrial processes by leveraging non-contact, non-destructive, optical, and X-ray-based 3D inspection and measurement solutions.