

ADVANCES IN SEMICONDUCTOR MANUFACTURING (ASM)					
MR G.05 (Gr floor)					
Date	Session	Time	Sub Track	Paper No.	Title
Day 1: 11 September 2025	Session 1	8:30-8:40	Welcome Address by Prof. Nihar Ranjan Mohapatra & Dr Murugeswaran Surulivel (Track Chairs)		
		8:40-9:00	ASM 1	Invited Talk by Mr Pradeep Manohar, Director - Smart Manufacturing & AI, Micron technology, Hyderabad	
		9:00-9:20		Invited Talk by Dr Hemang Shah, Senior Director - Government Affairs & BD, Applied Materials, Bengaluru	
		9:20-9:40		159480	On the Use of Nonlocal Strain Gradient Theory for Flexomagnetic Nanobeams
		9:40-10:00		160209	Reliability Analysis of Circuit Card Assembly a Digital Twin Approach
		10:00-10:20		160835	Nano PMC: A GPU- accelerated particle Monte Carlo simulator for feature-scale semiconductor process modelling
		10.20-10.40		Session Summary	
	Common Plenary Sessions & Lunch				
	Session 2	2:10-2:30	ASM 2	Invited Talk by Mr Josh Foulger, President, Electronics, ZETWERKS	
		2:30-2:50		Invited Talk by Mr Subhash Bhatia, Executive Director, MODON	
		2:50-3:10		160702	From Process to Performance: MI Integrated Process and Device Modeling for Inner Spacer Etch in Gaa Fets
		3:10-3:30		160564	Lever Based Amplification for Single Proof Mass Mems Gyroscope
		3:30-3:50		160779	Optimal Light Source Selection in Smo Simulation: A Multi-Criteria Approach
		3.50-400		Session Summary	