

Programme at a Glance

Day 1 Tuesday, August 04, 2026				
08:00 AM onwards	Registration			
10:00 AM - 11:00 AM	Inauguration of the Event (Kalinga - 1)			
11:00 AM - 11:30 AM	Inauguration of Exhibition and Poster Showcase (Magadh)			
11:30 AM - 11:45 AM	Tea / Coffee Break			
11:45 AM - 12:30 PM	Plenary Lecture I - Semiconductor Nanostructures for Optoelectronics Applications (GBR)			
12:30 PM - 01:15 PM	Plenary Lecture II - The Nanoscale Century (GBR)		Nanotech Quiz (Kalinga - 1)	
01:15 PM - 02:15 PM	Lunch and Visit to Expo & Poster			
02:15 PM - 04:00 PM	Nano for the Young (Kalinga - 1) Smart Single Pixels using Solution Processed Semiconductors with Multifunctional Attributes Van der Waals Gap Engineering of Two Dimensional (2D) Materials: Applications for Energy Storage 3D/4D Bioprinting: Healthcare's New Dimensions			
	GBR	Lalit - 1 & 2	Lalit - 3	Lalit - 4
02:15 PM - 04:00 PM	SESSION 1 Nano in Semiconductor	SESSION 2 Nano in Agriculture & Health	SESSION 3 Nano in Energy & Environment	SESSION 4 GIA
	How Semiconductors Enable Your Electronics World	Reconsidering Conventional Toxicity Endpoints in the Assessment of Nanomaterial Safety in Food and Agricultural Systems	Manufacturing Nanoscale Interfacial Thin Films for Lithium Metal and Scaling for Commercialization	GERMANY From Lab to Market: Indo-German Partnerships Driving the Future of Nanotechnology
	Scalable Laser-Induced Graphene Biointerfaces for Next-Generation Bioelectronics	Conceive, Converge, Commercialize: Nano-enabled Climate-Smart Agriculture for Food, Energy and Environmental Security	Understanding and Optimising Nanoscale Energy Materials	FRANCE Nanotechnology: Building Franco-Indian Cooperation from Lab to Industry
	Enabling AI with AI	Biophysical Basis for Neuropathologies	Engineering Ångström-Scale Channels with 2D Materials: New Physics of Water and Ion Transport for Sustainable Technologies	NETHERLANDS Tackling Modern Day Pollutants with Hollowfibre Nanofiltration Membranes
04:00 PM - 04:15 PM	Tea / Coffee Break			
04:15 PM - 06:15 PM	Poster Interactive Session (Magadh)			
06:30 PM - 08:30 PM	Nano Excellence Awards & Cultural Programme (Kalinga - 1)			

Programme at a Glance

Day 2 Wednesday, August 05, 2026			
10:00 AM - 10:45 AM	Plenary Lecture III - 2D Materials: A Platform for Exciting Science and Exotic Applications (GBR)		
10:45 AM - 11:30 AM	Plenary Lecture IV - Molecular Tools for Manipulating the Size, Size Distribution and Alloy Formation in Metal Nanoparticle Systems (GBR)		
11:30 AM - 11:45 AM	Tea / Coffee Break		
	GBR	Lalit - 1 & 2	Lalit - 3 & 4
11:45 AM - 1:15 PM	SESSION 5 Nano in Semiconductor	SESSION 6 Nano in Agriculture & Health	SESSION 7 Nano in Energy & Environment
	Molecular Neuromorphic Building Blocks for Artificial Intelligence	Nano-enabled Agriculture to Achieve Evergreen Revolution	Artificially Intelligent Nanopores for High-Throughput DNA Sequencing
	Nonlinear Silicon NEMS Resonator Interfaces for Quantum Electronics	Nanoparticle-mediated Immunotherapy	Persistent Photoconductivity and Persistent Photocatalysis
	From Silicon to Society: Essential Semiconductor Innovations Driving Modern Life	Nanotechnology Enabled Sensors Shaping the Future of Healthcare	From Atoms to Equity: AI-Accelerated Frugal Energy Material Innovation for Billion-People Prosperity
1:15 PM - 2:15 PM	Lunch and Visit to Expo & Poster		
02:15 PM - 03:15 PM	SESSION 8 Deep-tech India: Next Big Opportunities for India's Semiconductor Future: Commercialization, Scale-up, Investment & Ecosystem creation		SESSION 9 Nano to Gigawatt: Commercializing Nanotechnology for India's Energy Future
03:15 PM - 03:30 PM	Tea / Coffee Break		
03:30 PM - 04:30 PM	SESSION 10 Nano in Semiconductor Engineering 2D Materials and Ion-Implanted Semiconductors for Next-Generation Technologies Accelerating Semiconductor Design and Development with Physics-Informed AI Surrogates India-Denmark Collaborations in Nanobiotechnology for Applications in Cancer and Diabetes Research	NanoSparX	Poster Interactive Session (Magadh)
04:30 PM - 05:00 PM	NanoSparX, Poster Awards & Valedictory (GBR)		

* Subject to change