

Agenda

Technology Workshop Ultra Precision Manufacturing

Moore Nanotech in collaboration with Fraunhofer IPK and IWF

When:

April 15th and 16th of 2026

Where:

Fraunhofer-Institut für Produktionsanlagen und Konstruktionstechnik IPK
Pascalstraße 8-9, 10587 Berlin

Wednesday April 15th 2026

10:30 AMP	Reception at the Microproduction center (AMP)	
11:00 Oval Room	Welcome and Introduction of Fraunhofer IPK and Moore Nanotech	Prof. Julian Polte Fraunhofer IPK Dr. Benjamin Bulla Moore Nanotech
11:30 Oval Room	The European and German Optics and Photonics Market	Dr. Adrian Malkow OptecBB
12:00 Oval Room	Industrialization of Ultra-precision machining and R&D at IWF and IPK.	Prof. Julian Polte Fraunhofer IPK Dr.-Ing Mitchel Polte IWF
12:30 AMP	Lunch	
13:30	Shopfloor Tour – Micro Production Technology Center Ultra Precision Machine demo – Moore 650FG	Daniel Rolon / Dr. Luiz Schweitzer Fraunhofer IPK
14:30 Oval Room	Manufacturing, on-machine metrology and correction of freeform surfaces by NanoCAM	Dr. Nicholas Sizemore Moore Nanotech
15:00 Oval Room	Telescope for optical quantum communication - based on metal optics	Dr. Nils Heidler Fraunhofer IOF
15:30 AMP	Coffee Break	
16:00 Oval Room	Efficient freeform optics metrology	Gerhard van den Eijkel QED Technology
16:30 Oval Room	Challenges and applications in New Space	Dr. Stefan Busch Fraunhofer EMI
19:00 Trofeo Restaurant	Network Dinner at the Trofeo Restaurant among classic Oldtimer cars (Wiebestraße 36, 10553 Berlin)	Sponsored by Moore Nanotech

Thursday April 16th 2026

8:30 AMP	Reception at the Microproduction center (AMP)	
9:00 Oval Room	Automation possibilities in Ultra-Precision Manufacturing	Dr. Benjamin Bulla Moore Nanotech
9:30 Oval Room	Manufacturing of IOLs – Challenges and Solutions	Dr. Ivan Perfilov Zeiss Meditech
10:00 Oval Room	High performance Aluminum alloys for challenging applications	Roger Senden RSP Technology
10:30 AMP	Coffee Break	
11:00 Oval Room	Influence of RSA Microstructure on Surface Formation in Ultra Precision Turning	Daniel Rolon Fraunhofer IPK
11:30 Oval Room	Mid Spatial Frequency Analysis on Optics	Reinhardt Windemuth, Panasonic
12:00 Oval Room	Laser Assisted Diamond Turning Processing	Stefan Kraemer MicroLAM
12:30 AMP	Lunch	
13:30 Oval Room	Large size manufacturing in ultra precision optics – The 1500 UPL	Dr. Benjamin Bulla Moore Nanotech
14:00 Oval Room	Ion Beam Figuring of Aluminum Alloys	Florian Hölzel Leibniz IOM
14:30 Oval Room	Wrap up and end of presentations	Dr. Benjamin Bulla Moore Nanotech
14:30 – 15:30	Meeting rooms are available for dedicated meetings between participants	
15:30	End of the Event	