Program November 11 2025 Dutch International Precision Conference

10:00 – 10:15	**Welcome Chairman**
10:15 – 10:45	**Georges L. Romme** TU/e Eindhoven University of Technology *The unique characteristics of Brainport's deeptech ecosystem.* The Brainport-Eindhoven region has developed into a leading location for deeptech entrepreneurship in Europe. Against all odds, it has transformed itself from a region that heavily depended on the multinational company Philips, into a diverse and fast-growing deeptech ecosystem. While this success has not gone unnoticed, there is not yet a clear account of how and why the Eindhoven region emerged as a global hotspot for deeptech innovation and entrepreneurship. Moreover, such an account might provide an exemplary model of a collaborative ecosystem, one that provides an alternative to the "winner-takes-all" entrepreneurial culture of Silicon Valley.
10:45 – 11:15	**René Raaijmakers** Journalist ASML *How ASML evolved into THE EUV lithography supplier in the world* *ASML is a Dutch multinational company and the world's leading supplier of photolithography systems for semiconductors founded in 1984. Recently retired CTO of ASML, Martin will speak about the technology development at ASML from the start of ASML to the future including the important role of collaboration with all parties involved. During his speech he likes to involve the audience to discuss this great example of collaborative innovation.*
11:15 – 12:00	Break / visit to the exhibition
12:00 – 12:30	**Ton Peijnenburg** VDL - ETG *High Tech Manufacturing* High-tech manufacturing refers to the production of advanced and complex products using cutting-edge technology, precision engineering, automation, and innovation. It typically involves industries that require high levels of research and development (R&D), skilled labor, and sophisticated processes (Semiconductor, Space, Medical, Automotive). Ton will tell about how VDL migrated from a manufacturing-only company into a co-developing partner for OEMs, including engineering.

12:30 – 13:00	**Jürgen van Gorp** FWO *Einstein Telescope (ET)* The Einstein Telescope (ET) will be a next-generation gravitational wave (GW) observatory designed to be ten times more sensitive than current detectors like LIGO (USA) and Virgo (Italy). It aims to open a new era of precision GW astronomy, allowing scientists to observe the universe in ways never before possible. The Netherlands, Belgium and Germany would like to build the Einstein Telescope in our three-border area: the Meuse-Rhine Euregio. For that purpose, the ET prototype – ETpathfinder – is already being built in Maastricht, Netherlands. It is a pioneering research and development laboratory serving as a testing ground for technologies essential to the Einstein Telescope. The FWO aims to be the leading funding partner for researchers in Flanders. Nikhef is the Dutch partner and is also involved in the technical design as part of the ET Organisation. By offering financial support and promoting international cooperation, we create a favourable climate for this world-class scientific instrument.
13:00 – 14:00	Lunch / visit to exhibition
14:00 – 14:30	**Jan Nijenhuis and Wouter Jonker** TNO *Opto-mechatronics, kernel of high tech system development* Opto-mechatronics integrates optical components and technologies with mechatronic systems to create smart devices that use light-based sensors, actuators, or control systems alongside mechanical, electronic, and software elements. TNO, the Netherlands Organisation for Applied Scientific Research is an independent, not-for-profit research institution established in 1932. TNO's technology areas are High Tech Industry; Energy & Materials Transition; Mobility & Built Environment; ICT, Strategy & Policy; Healthy Living & Work; Defence, Safety & Security. Jan Nijenhuis, opto-mechatronic systems engineer for over 34 years, will present the results of the important role of opto-mechatronics in space and astronomy applications. He will also address the importance of collaboration with technology partners.
14:30 – 15:00	**Matthias Wissert** Trumpf *Collaborative High Tech EUV light source development* TRUMPF is a German company specialized in high-tech industrial machinery and laser technology. TRUMPF developed pulsed CO_2 lasers with megawatt-class peak power and high beam quality to efficiently create plasma from tin droplets.The lasers operate at 10.6 µm wavelength. This laser-driven EUV source is critical for machines made by ASML. Trumpf collaborated with Fraunhofer IOF (Jena) on advanced mirror coatings and with Zeiss for EUV beam delivery. TRUMPF has been recognized with two prestigious awards for its groundbreaking contributions to Extreme Ultraviolet (EUV) lithography (Deutscher Zukunftspreis 2020). In December 2024, TRUMPF and ZEISS were jointly awarded the Werner von Siemens Ring, one of Germany's highest honors for advancements in technical sciences.
15:00 – 15:30	Break / visit to the exhibition

15:30 – 16:00	**Hidaka Kazuhiko** Mitutoyo *Japanese research and development in the Netherlands, how it works* Mitutoyo is a leading Japanese company specializing in precision measuring instruments and metrology solutions founded in 1934. The company is globally recognized for high-quality calipers, micrometers, coordinate measuring machines (CMMs), indicators, and other measurement tools. Since 1981, Mitutoyo is present in the Dutch eco-system. The European Research Centre of Mitutoyo focusses on nanometrology, calibration, product development. During the presentation Mitutoyo will express how they experience researching and developing in the Dutch high tech ecosystem.
16:00 – 16:20	**Dr Sung** Hak Kyung, *Chairman of Sobujang Forum* Dr. Hak-kyung Sung, former Senior Vice President of Samsung Electronics, brings nearly three decades of experience driving the company's global leadership in production and manufacturing technologies. Over his 18-year executive career, he led numerous advancements in semiconductor and display equipment, and micro-LED displays. He concurrently worked closely with small and medium-sized enterprises (SMEs) to strengthen innovation across the entire supply chain. Driven by a strong belief in open innovation, Dr. Sung initiated the Samsung Sourcing Fair, creating crucial opportunities for collaboration—especially with SMEs and startups—to integrate into Samsung's supply chains. Since leaving Samsung in 2021, Dr. Sung has continued this mission of fostering connections as the Chairman of the SoBuJang Technology Collaboration Forum (SoBuJang being the Korean abbreviation for Materials, Components, and Equipment), a Korean organization that supports SMEs in the semiconductor, display, battery, and high-tech manufacturing sectors. He will present on the Korean semiconductor ecosystem and avenues for international cooperation.
16:20– 16:45	Conclusion of the day
16:45 – 18:00	Drinks / snacks visit to exhibition
18:00	End of the program
18:00 – 20:00	Buffet (need registration)