ASML and Eindhoven University of Technology will give collaboration a major boost over the next 10 years

May 23, 2024

Veldhoven, the Netherlands

Today ASML and Eindhoven University of Technology (TU/e) have signed an agreement on a significant expansion of their collaboration. They will conduct more joint research and train more PhD students in areas such as plasma physics, mechatronics, optics and AI, based on common roadmaps. The expansion is an investment in the unique position of the Brainport region in the field of semiconductors and a strong boost for the Future Chips flagship of TU/e.

In close collaboration between the two parties, almost a hundred PhD students will conduct research in areas relevant to the chip sector over the next ten years. This is a win-win: on the one hand, it provides groundbreaking new knowledge and technology that contributes to solutions for society and Dutch earning capacity, and, on the other hand, PhD students are trained to become the top specialists that the semiconductor industry desperately needs. The agreement, now concluded, is the elaboration of the memorandum of understanding that ASML and TU/e signed last year.

In addition, ASML will contribute financially to the new cleanroom building that TU/e will build. This lab building will be a top facility focused on research, education and startups in the field of semiconductors and will be larger and more modern than the existing TU/e cleanroom, which it will replace.

ASML is investing a total of 80 million euros in the collaboration over the next ten years. TU/e is also investing heavily in semicon: an expected total of more than a hundred million for the cleanroom building and the many PhD students who will be appointed. The parties will also involve other companies and institutions in the region and beyond in the collaboration, in order to increase its impact.

Roger Dassen, Chief Financial Officer of ASML. “With this agreement we are expanding our long-term collaboration with TU/e. TU/e is the purveyor of talent in the region and an important academic partner. The collaboration will increase the availability of PhDs, which our industry has a strong need for, and will provide scientific insights that are relevant to the chip industry and society. With this agreement we are investing in science in the Netherlands and in training experts.”

Robert-Jan Smits, President of the TU/e Executive Board: “We are proud that we are giving an enormous boost to the strong collaboration that we have had for decades. We will invest together, expanding Brainport's position as the Netherlands' most important semicon hotspot. This development once again shows the exceptional strength of TU/e in terms of collaboration with industry and our pivotal position in Brainport. For us, the agreement is extra special because it is our largest agreement ever with an industrial partner. And it is an important recognition of the quality of our university.”

The collaboration between ASML and TU/e is in line with the goals of Project Beethoven. This project, which is financed by national and regional authorities and industry, is aimed at further strengthening the Brainport region and the Netherlands in the field of semiconductors, with a view to creating solutions for society and our future earning capacity. In terms of 'talent', Beethoven's focus includes strengthening relevant education and scientific research.

With its recently launched Future Chips flagship, TU/e is placing extra emphasis on semiconductors. The university has been conducting leading international research in the various areas of chip technology for more than fifty years. More than seven hundred TU/e researchers from 25 research groups are currently working on semiconductors, and this number is expected to grow considerably.

About ASML

ASML is a leading supplier to the semiconductor industry. The company provides chipmakers with hardware, software and services to mass produce the patterns of integrated circuits (microchips). Together with its partners, ASML drives the advancement of more affordable, more powerful, more energy-efficient microchips. ASML enables groundbreaking technology to solve some of humanity's toughest challenges, such as in healthcare, energy use and conservation, mobility and agriculture. ASML is a multinational company headquartered in Veldhoven, the Netherlands, with offices across EMEA, the US and Asia. Every day, ASML’s more than 42,700 employees (FTE) challenge the status quo and push technology to new limits. ASML is traded on Euronext Amsterdam and NASDAQ under the symbol ASML. Discover ASML – our products, technology and career opportunities – at www.asml.com.

About Eindhoven University of Technology

Imec is a world-leading research and innovation center in nanoelectronics and digital technologies. Imec leverages its state-

of-the-art R&D infrastructure and its team of more than 5,500 employees and top researchers, for R&D in advanced semiconductor and system scaling, silicon photonics, artificial intelligence, beyond 5G communications and sensing technologies, and in application domains such as health and life sciences, mobility, industry 4.0, agrofood, smart cities, sustainable energy, education, … Imec unites world-industry leaders across the semiconductor value chain, Flanders-based and international tech, pharma, medical and ICT companies, start-ups, and academia and knowledge centers. Imec is headquartered in Leuven (Belgium), and has research sites across Belgium, in the Netherlands and the USA, and representation in 3 continents. In 2023, imec's revenue (P&L) totaled 941 million euro.

Further information on imec can be found at www.imec-int.com.

Imec is a registered trademark for the activities of imec International (IMEC International, a legal entity set up under Belgian law as a "stichting van openbaar nut"), imec Belgium (IMEC vzw supported by the Flemish Government), imec the Netherlands (Stichting IMEC Nederland), imec Taiwan (IMEC Taiwan Co.), imec China (IMEC Microelectronics (Shanghai) Co. Ltd.), imec India (IMEC India Private Limited), imec San Francisco (IMEC Inc.) and imec Florida (IMEC USA Nanoelectronics Design Center Inc.).

Contact person for the media

ASML

Kelsey Zeegers

Media relations manager

+31621135749

TU/e

Ivo Jongsma

Spokesman

+31644420799