

## *Micron Seminar*



Date & Time: August 5<sup>th</sup> 2025, 13:00-14:00

Venue: Kyushu University (<https://www.kyushu-u.ac.jp/ja/campus/ito/>)

Building West 2, 2F, Room 209



### **Shaping the Future with Semiconductors: Micron and the Societal Impact of Cutting-Edge Memory Technologies**

**Koji Kaneko**

Micron Memory Japan

Semiconductors, an essential part of modern life, have grown at an accelerating pace in recent years. Rather than simply maintaining traditional standards of living, they are enabling previously unattainable advances and enriching people's lives. Automated vehicles and artificial intelligence (AI) are prime examples of this, contributing not only to individual lifestyles but also to the development of the entire industry. Personally owned mobile devices not only function as information terminals but also play a key role in connecting people and providing entertainment. Accelerating genetic analysis in the medical field and expanding remote medical care are also thanks to the development of semiconductors.

Micron Technology, Inc. (hereinafter, "Micron") is a semiconductor manufacturing company headquartered in the US. It specializes in the design and manufacturing of semiconductor memory, specifically DRAM and NAND. The semiconductor memory manufactured here is cutting-edge, different from inexpensive, commodity memory. Micron provides solutions that enable people to "achieve what was previously impossible."

This seminar will begin with an introduction to Micron, which has development and cutting-edge product manufacturing facilities in Japan, and will deepen understanding through familiar examples of semiconductor memory usage.

#### *Bio*



The Senior Director of F15 High Volume Manufacturing at Micron Memory Japan oversees the operation and continuous improvement of advanced semiconductor memory production lines. With over 30 years of experience in the semiconductor industry following a master's degree in chemistry, he has built deep expertise in equipment engineering, including ion implantation and photolithography. Strong connections have been established with Micron's manufacturing sites in Taiwan and Singapore, contributing to a global perspective on production excellence. The Japan site, which uniquely handles both development and high-volume manufacturing, plays a special role within Micron's global network—and its operations are under this individual's strategic leadership. Beyond managing production, responsibilities also include mentoring young engineers and fostering partnerships with local communities and universities, demonstrating a commitment to both innovation and talent development.