

# Memory Technology Innovation for the New AI Era

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In the last few years after the onset of the COVID-19 pandemic, we are in the midst of changes that we have never experienced before. However, at the same time, the semiconductor industry has continued to grow and it is facing new opportunities with the explosive growth of generative AI.

In this talk, we will share the journey of memory technology innovation and the core competencies for the new AI era. It begins with how to maintain the continuity of technology development. We would like to identify emerging challenges and present technology platform to overcome those challenges. Along with that, a memory-based convergence solution will be introduced to get ready for changes in the computation paradigm. Finally, this journey will arrive at the ESG, a newly emerging customer requirement. We need to understand the importance of ESG and how to accordingly change our way of working. Strong collaboration in the entire ICT industry is also necessary to build core competencies. Open innovation platform is proposed to expand collaboration with various partners.