

Symposium (Oral) | Symposium : 【Open Symposium】 A Future Opened by Cutting-edge Semiconductors - Expectations for Applied Physics -

📅 Mon. Sep 16, 2024 1:30 PM - 4:30 PM JST | Mon. Sep 16, 2024 4:30 AM - 7:30 AM UTC 🏛️ A24 (TOKI MESSE 2F)

## **[16p-A24-1~8] (Open Symposium) A Future Opened by Cutting-edge Semiconductors - Expectations for Applied Physics -**

Takao Someya(The Univ. of Tokyo)

2:45 PM - 3:00 PM JST | 5:45 AM - 6:00 AM UTC

### **[16p-A24-6] Challenges in Advanced Semiconductor Industry: Technology, Design, and Talents**

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Keywords : semiconductor

The increasing demand for data-centric products and services necessitates innovation across the entire semiconductor technology stack. This talk will discuss recent breakthroughs in semiconductor, including device, material, 3D-IC, and design-technology co-optimization (DTCO). However, challenges in technology, design, testing for advanced semiconductor continuous raise. Moreover, to further propel technological advancement, it is imperative to address the global talent shortage in the semiconductor industry through collaboration between industry and academia to incubate new talent.

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