Tokyo Bulletin No.170

[February 13, 2026]

The 2025 Fourth Meeting of Tokyo Section Executive Committee

The 2025 4th Meeting of Tokyo Section Executive Committee was held with hybrid-style (on-site and teleconference) from 15:00, December 3, at Hitachi Ltd. Akihabara Daibiru Building. The number of attendees was 21.

(For the minutes, please see the link at the end of this report).

Following Chair Hiramoto's remarks, the minutes of the previous meeting were approved. It was also confirmed that the 2025 financial forecast report and the officer election procedures (2027-2028) would proceed via Board approval. Subsequently, the activities and financial results for 2025, along with the activity plans and budgets for 2026, for each committee and Affinity Group were explained, discussed, and approved. The Tokyo Section's 2025 activity report and the 2026 activity plan and budget proposal were explained, discussed, and approved.

Additionally, a report on the HTC2025 event was presented. Furthermore, the activities and financial results for 2025, along with the activity plans and budgets for 2026, for EA and SIGHT were explained, discussed, and approved. A progress report on preparations for HISTELCON2026 was also presented.

◆Minutes https://www.ieee-jp.org/section/tokyo/adm/agenda/giji25-4.pdf
*Japanese-only

The 7th Lecture Meeting of Tokyo Section in 2025

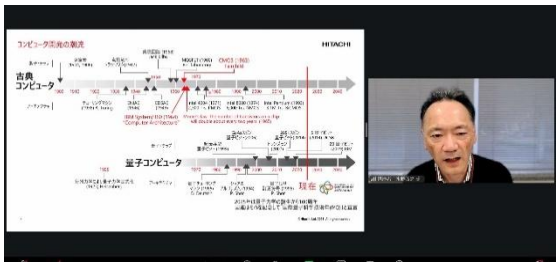
On Friday, November 28, 2025, from 15:00 to 16:30 (JST), the Tokyo Section Technical Program Committee (TPC) hosted the 7th Tokyo Section Lecture Meeting of 2025 via the Zoom Webinar virtual platform. The event was co-sponsored by the IEEE Tokyo Section LMAG (Life Members Affinity Group), and the Institute of Electronics, Information and Communications Engineers (IEICE). Approximately 120 participants attended the lecture.

Dr. Hiroyuki Mizuno, who was elevated to IEEE Fellow in 2022, and currently serves as Corporate Chief Engineer of the Research & Development Group at Hitachi, Ltd., was invited to deliver a lecture entitled: “Challenging the Limits of Scaling: From CMOS Integrated Circuits to Qubits.”

Dr. Mizuno provided a broad overview spanning the historical development of classical computing and the transition toward quantum computing based on silicon semiconductors. Drawing on his own extensive research and development experience, he discussed a wide range of topics, from techniques for mitigating transistor leakage current issues that have emerged with continued CMOS scaling to the development of silicon-based quantum-dot qubits aimed at large-scale integration. The audience gained valuable insights into both mature CMOS technologies and emerging quantum computing technologies. An active Q&A session followed the presentation, providing participants with an engaging and rewarding opportunity for further discussion.

We will continue its efforts to reach a wider audience by organizing future lectures in hybrid and online formats. We would like to express our sincere appreciation to Dr. Mizuno for his insightful presentation, as well as to all participants and contributors for their support and cooperation.

(Reported by Technical Program Committee Secretary, Shinsuke Hara)



The 9th Lecture Meeting of Tokyo Section in 2025

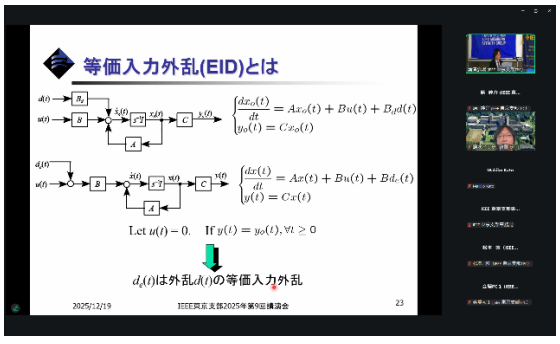
On Friday, December 19, 2025, from 15:00 to 16:30 (JST), the Tokyo Section Technical Program Committee (TPC) hosted the 9th Tokyo Section Lecture Meeting of 2025 in a hybrid format combining an on-site meeting at the Machine Promotion Hall and a Zoom Webinar. The event was co-sponsored by the IEEE Tokyo Section LMAG (Life Members Affinity Group), and the Institute of Electronics, Information and Communications Engineers (IEICE). Approximately 50 participants attended the lecture in total.

In this lecture, Prof. Jinhua She of the Department of Mechanical Engineering, School of Engineering, Tokyo University of Technology, who was elevated to IEEE Fellow in 2021, was invited as the speaker.

Under the title “Pursuing High-Performance Process Control—From Intelligent Control to Active Disturbance Rejection,” the lecture focused on industrial process control, including metallurgical processes. Prof. She reviewed research developments ranging from intelligent and optimal control methodologies to the equivalent-input-disturbance approach, discussing their theoretical background and practical applications to real industrial processes. The subsequent question-and-answer session enabled in-depth technical discussions with the participants.

We will continue its efforts to reach a wider audience by organizing future lectures in hybrid and online formats. We would like to express our sincere appreciation to Prof. She for his insightful presentation, as well as to all participants and contributors for their support and cooperation.

(Reported by Technical Program Committee Secretary, Shinsuke Hara)



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IEEE Tokyo Section welcomes any comments, requests or inquiries from our members. Please send them to tokyosec@ieee-jp.org.