

The 2022 Second Meeting of Tokyo Section Executive Committee

The 2022 Second Meeting of Tokyo Section Executive Committee was held with hybrid-style (on-site and teleconference) from 3 pm, June 29, at Sumitomo Electric (Akasaka-mitsuke) with 21 participants including 3 observers.



[◆Minutes *Japanese-only](#)

Schedule for 2022

Third Meeting Tuesday, September 6 Sumitomo Electric (Akasaka-mitsuke)

Fourth Meeting Thursday, December 1 Kikai Shinko Kaikan building

The 5th LMAG-Tokyo Evening Salon

The 5th Evening Salon was held on Tuesday, June 14, 2022 from 15:00 to 17:00 in the Kikai Shinko Kaikan Conference Room with 98 participants (15 on-site and 83 online).

The topic of this evening salon was presented by Dr. Tadashi Takano, Professor Emeritus, Institute of Space and Astronautical Science, JAXA (LMAG-Tokyo Past Chair), on the topic "Space travel is about to begin: What will Japan do?"

The summary is: "Space travel is about to begin by the end of the year with Virgin Galactic, followed by Blue Origin. It is a form of space travel that reaches about 100 km and returns, which is much safer than orbiting. The spacecraft will be able to enjoy rapid acceleration during ascent, weightlessness near the top, and views of the vacuum of space and the Earth through the windows. The spacecraft will be reused, and the space travel suits will be special. Of course, a high level of safety will be required, and a communication system for travelers will be necessary. Japan can contribute to these technological aspects from its area of expertise." This is a dream come true.

After Mr. Takano's presentation of the topic, it was time for a discussion over food and drink, which was very lively, with many comments and questions from the audience and via the Internet, such as "Isn't the key to make it widely understood that space travel will one day be something anyone can go on?", "Isn't it necessary to have a rocket that can accommodate a large number of people in order for space travel to become popular?" or "It takes a lot of G at launch to go on a space trip, but what can I do about this?"



Tadashi Takano giving a lecture



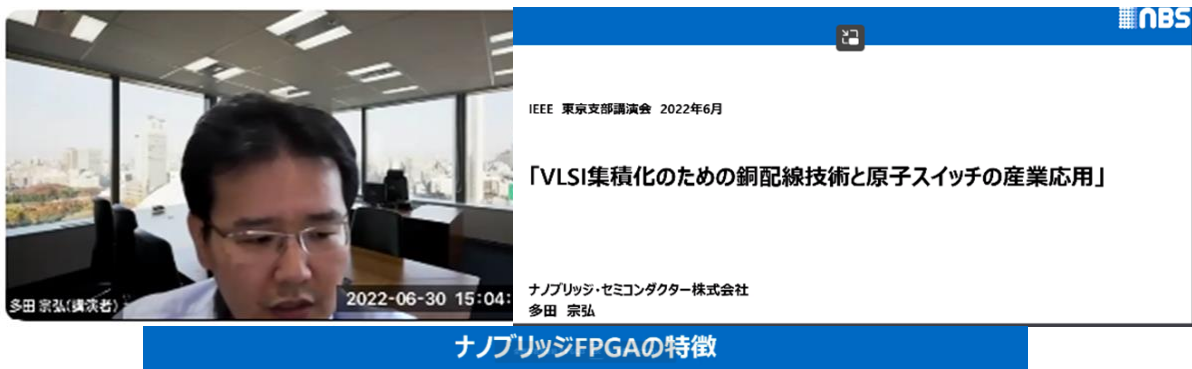
Participants enjoying a discussion at the venue of Evening Salon

(Reported by Life Members Affinity Group (LMAG-Tokyo) Secretary, Hideki Hayashi)

The 4th Lecture Meeting of Tokyo Section in 2022

On Thursday, June 30, from 15:00 to 16:30, 2022, the Tokyo Section Technical Program Committee (TPC) hosted the Fourth Tokyo Section Lecture meeting with approximately 54 participants using the Zoom Webinar virtual meeting system (co-sponsored by the IEEE Tokyo Section LMAG (Life Members Affinity Group), co-sponsored by the Institute of Electronics, Information and Communications Technology). Dr. Munehiro Tada, Board Director of Nanobridge Semiconductor, Inc., was invited to the lecture. Under the title of "Technology review of Cu interconnects for VLSI and Atom switch for industrial application," and he gave an extremely interesting lecture focusing on the content of interconnect technology for high integration of VLSI, practical application of atomic switches (nanobridges), which is a technology researched and developed for higher integration and higher functions, and product development for 3D FPGAs.

This lecture was held as a virtual online meeting using Zoom Webinar. Although the COVID-19 situation was relatively calm around the time of the fourth lecture, the outlook for the situation is extremely complicated, as the COVID-19 infection situation in Japan will rapidly deteriorate after that. Therefore, we will continue to hold meetings in a format suited to the situation.



NB特徴	NB inside	機器での効果
小型	低電力	筐体小型化・排熱不要
不揮発性	待機電力不要	電池長寿命・交換不要
ロバスト	耐放射線	宇宙環境使用・冗長化不要

耐ノイズ・耐熱
耐タンパ・耐放射線

(Reported by Technical Program Committee Secretary, Atsushi Matsumoto)

Information on Automatic Membership Renewal

Have you updated your IEEE membership in 2022?

It is said that changes in social structure will be accelerated as a result of the worldwide spread of this new coronavirus infection. Many people are thinking about what technology should be, and some has started taking actions, in order to overcome global threats such as infectious diseases and climate change, and realize a truly safe, peaceful, and comfortable society. Having online access to information and data, and knowledge and wisdom of human networks that have been accumulated and updated by the IEEE over the years, should be of great value especially in situations where physical contact among people is limited. Please don't forget to renew your IEEE membership and let's continue to take part in development of technology in the world.

* How to renew membership

Please register for an account on the IEEE headquarters website and follow the renewal procedure on the membership renewal page

(https://www.ieee.org/membership_services/membership/renew/index.html).

You can also set automatic renewal, which skips the annual renewal procedure.

(Reported by Membership Development Committee Chair, Tomoyuki Yokota)

Notice from IEEE Tokyo Section Office

Tokyo Bulletin is published via E-mail.

- Have you renewed your 2022 IEEE membership? You can easily [renew](#) your membership online.
- Tokyo Section encourages membership upgrade to Senior Membership. Visit IEEE website for [online application](#). For details, please refer to [Senior Member Application procedure](#).
- Please make sure to notify IEEE HQ of any changes in your address, etc. Online profile management is available on your [Web Account](#).

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