

[April 12, 2021]

“Physical Contact Push-Pull Technology For Fiber Optic Connectors” IEEE Milestone Dedication Ceremony and Commemorative Lectures (The 1st Lecture Meeting of Tokyo Section in 2021)

● IEEE Milestone Dedication Ceremony

The “Physical Contact Push-Pull Technology For Fiber Optic Connectors” was certified as IEEE milestones. The dedication ceremony for IEEE milestones were held on March 3, 2021 at Palace Hotel Tokyo. Dr. Toshio Fukuda, IEEE Past President, Professor of Meijo University, presented the plaque to Mr. Hiromichi Shinohara, Chairman of the Board for NTT. “Physical Contact Push-Pull Technology For Fiber Optic Connectors” was the 38th [IEEE milestone](#) in Japan.

Achievement on the plaque is as follows.

•Physical Contact Push-Pull Technology For Fiber Optic Connectors, 1986

“In 1986, Nippon Telegraph and Telephone Corp. (NTT) invented the physical contact connection technology that advanced performance and reliability of fiber optic connectors. NTT developed “Single mode optical fibers Coupling (SC) (or shortly called “Subscriber Connector”) , and Multiple fiber Push-On /Pull-Off(MPO) connectors”; their compactness and simple push-pull operation were major advantages. Widely adopted by carriers and data centers since 1990, this technology facilitated the construction of systems for near light-speed, digital, global communications. ”

A dedication ceremony hosted by IEEE Tokyo Section was held at Palace Hotel Tokyo. There were 199 attendees including online. The master of ceremonies was Dr. Masayuki Shigematsu, Secretary of IEEE Tokyo Section, Chief Engineer of Sumitomo Electric Industries, Ltd.. First on the agenda, Dr. Yoshiaki Nakano, Chair of IEEE Tokyo Section, Professor of the University of Tokyo, gave a speech as an organizer, followed by Dr. Toshio Fukuda. Next, plaques were presented by Dr. Toshio Fukuda to Mr. Hiromichi Shinohara. Mr. Hiromichi Shinohara gave a speech on behalf of the

plaque recipient. The plaques are put on display in NTT Tsukuba Research and Development Center (1-7-1 Hanabatake, Tsukuba-city, Ibaraki).



IEEE Milestone plaques



Commemorative photo of dedication ceremony

(From left) Dr. Isao Shirakawa, IEEE Japan Council History Committee Chair, Professor of Hyogo University, Yoshiaki Nakano, Chair of IEEE Tokyo Section, Professor of the University of Tokyo, Dr. Toshio Fukuda, IEEE Past President, Professor of Meijo University. Mr. Hiromichi Shinohara, Chairman of the board for NTT, Dr. Katsuhiko Kawazoe, Executive Vice President of NTT and Mr. Naoki Shibutani, Representative Member of the Board Senior Executive Vice President, CTO, CIO, CDO of NTT.

● Commemorative Lectures (The 1st Lecture Meeting of Tokyo Section in 2021)
Following the dedication celebration, the commemorative lectures (The 1st Lecture Meeting of Tokyo Section in 2021) was hosted by Tokyo Technical Program Committee and co-sponsored by IEEE LMAG Tokyo. The following five invited speakers gave lectures to 271 attendees including online. Dr. Makoto Higaki, Chair of Tokyo Technical Program Committee, Toshiba, proceeded to introduce the two lectures.

Lecture 1

Dr. Etsuji Sugita (Hakusan, Inc. Adviser. Former Research Director of the Electronic Device Research Department, Boundary Region Research Laboratory, NTT)

Lecture 2

Dr. Shinji Nagasawa (Former Senior Researcher of the Optical Access Network Project, Access Network Service Systems Laboratory, NTT)

“Efforts to develop and popularize MPO connector.”

[\[Pictures\]](#)

(Reported by History Committee Vice Chair, Takashi Yamada)

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