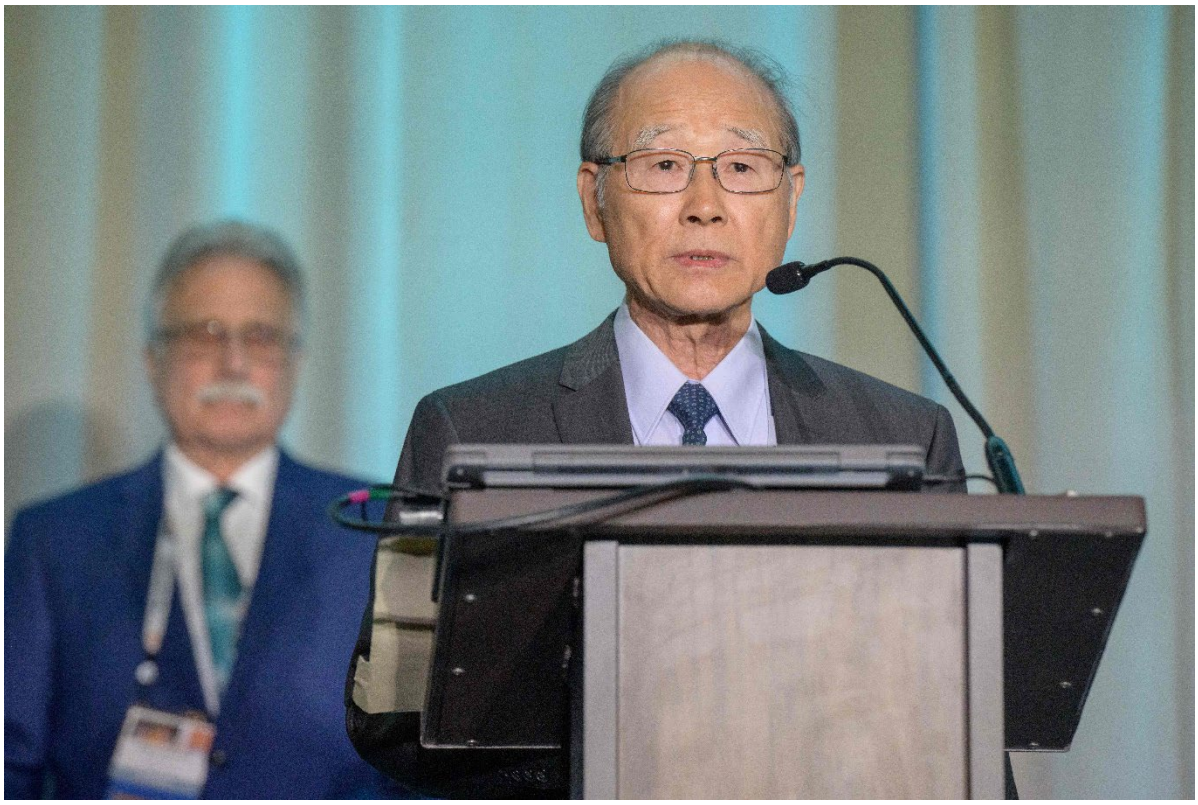
IEEE Awards Presented at ASC 2024

Dr. Makoto Takayasu received the **2024 IEEE Award for Continuing and Significant Contributions in the Field of Applied Superconductivity**: For Electronics and for Large Scale Applications

Dr. Takayasu from the Massachusetts Institute of Technology was recognized:

- for his work to standardize measurements of Nb3Sn,
- for experiments and models of CICC coils,
- for techniques to characterize REBCO cables,
- for invention of Twisted Stacked-Tape Cables,
- and for mentoring of the next generation.



Prof. Xavier Obradors and Prof. Eric Hellstrom earn the **2024 IEEE Awards for Continuing and Significant Contributions in the Field of Applied Superconductivity**: For Materials (The IEEE Dr. James Wong Award)

Prof. Obradors from the Institute of Materials Science Barcelona, Spain was recognized:

- for his work on REBCO to achieve ultra-high flux pinning
- for identifying nanostrain vortex pinning in REBCO,
- for promoting large scale industrial production of affordable REBCO superconductors,
- and for leading large European projects with vision and innovation.

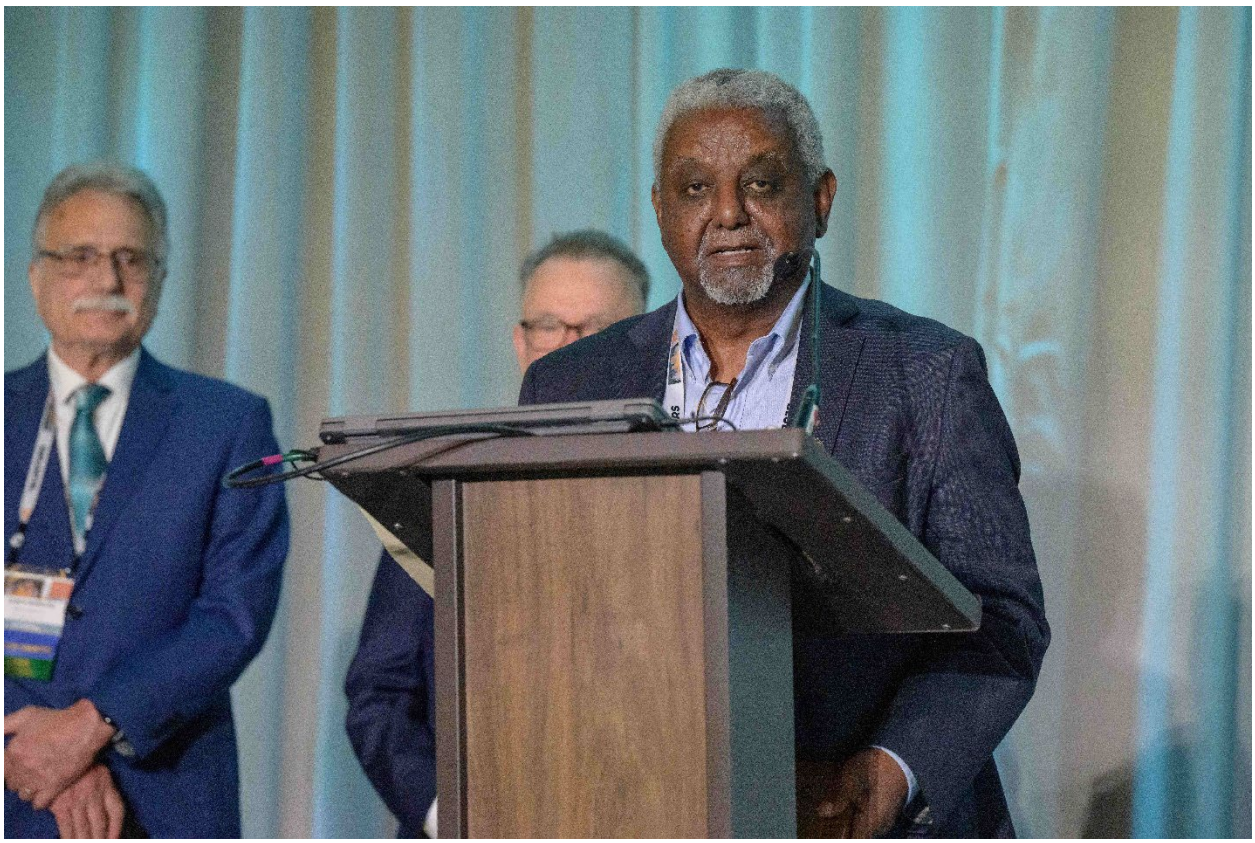
Prof. Hellstrom from Florida State University and NHMFL was recognized:

- for the over-pressure sintering process for BSCCO composite conductors,
- for high-critical current BSCCO wires,
- for support to industry for BSCCO powder,
- and for other material studies, including MgB2 and Ba-122 wires and bulks.

Dr. Guebre Tessema was recognized at ASC and received **2024 IEEE** **Max Swerdlow Award for Sustained Service to the Applied Superconductivity Community**

Dr. Tessema from the United States National Science Foundation was recognized:

- for sustained service at the US National Science Foundation by oversight of the grant to the NHMFL,
- which has led to the 36-Tesla Series-Connected Hybrid magnet based on Nb3Sn conductors,
- and to the 32-Tesla all-superconductor REBCO magnet,
- and for development of Bi-2212 for very high field commercial magnets and accelerator magnets.



Prof. Nobuyuki Yoshikawa and Dr. Jay Gambetta were awarded with the **IEEE CSC Fellow Class.**

Prof. Yoshikawa from Yokohama National University was recognized: *"for contributions to the development of low-power superconductive digital circuits and their application to reversible computing."*

Dr. Jay Gambetta from IBM was recognized: *"for contributions to quantum computing."*

IEEE Council on Superconductivity Van Duzer Prize Award recognizes the best-contributed paper published in the *IEEE Transactions on Applied Superconductivity*. The 2022 award was presented for the paper "Mutual and Self-Inductance in Planarized Multilayered Superconductor Integrated Circuits: Microstrips, Striplines, Bends, Meanders, Ground Plane Perforations" by Sergey Tolpygo, Evan Golden, Terence Weir, and Vladimir Bolkhovsky.

For 2023, the Van Duzer Prize recognized, "Results From the ColdFlux Superconductor Integrated Circuit Design Tool Project," by Coenrad Fourie, Kyle Jackman, Johannes Delport, Lieze Schindler, Tessa Hall, Pascal Febvre, Lucas Iwanikow, Olivia Chen, Christopher L. Ayala, Nobuyuki Yoshikawa, Mark Law, Thomas A. Weingartner, Yanzhi Wang, Peter Beerel, Sandeep Gupta, Haipeng Zha, Sasan Razmkhah, Mustafa Altay Karamuftuoglu, Arash Fayyazi, Mingye Li, Murali Annavaram, Shahin Nazarian, and Massoud Pedram

IEEE Council on Superconductivity 2024 Graduate Study Fellowship in Applied Superconductivity was awarded to:

Yerzhan Mustafa	University of Rochester, U.S.A.
Pasquale Ercolano	University of Naples Federico II, Italy
Marvin Janitschke	University of Rostock, Germany
Geonyoung Kim	Seoul National University, South Korea
Jianqiao Xiao	University of Illinois Urbana-Champaign, U.S.A.
Filip Antoncik	The University of Chemistry and Technology, Czechia

Dr. Lixing You received **2024 IEEE Council on Superconductivity** Carl H. Rosner Entrepreneurship Award.