

Foreword Issue 59

We are pleased to present the Issue No. 59 of the Superconductivity News Forum which includes nine presentations from the conference **Coated Conductors for Applications (CCA 2025)** celebrated at CERN in Geneva (Switzerland) in March 2025 and three presentations made at the **22nd Biennial U.S. Workshop on Superconductor Electronics, Devices, Circuits, and Systems** celebrated in Santa Fe (New Mexico, USA) in April 2025.

First of all, from CCA 2025, we have included four Invited talks in the Large scale category. These were presented by Dr. Kathleen Amm, Dr. Antonio Morandi, Dr. Jinxing Zheng and Dr. Xavier Chaud. The topics covered were the use of coated conductors in magnets for discovery science, power transmission, fusion technology in China and ultra-high magnetic fields magnets.

In the Materials category from **CCA 2025** we provide five Invited talks by Dr. Ines Wyrsta, Dr. Anna Kario, Dr. Carmine Senatore, Dr. Sergio Calatroni and Dr. Teresa Puig. The topics of their presentations were diverse and related to different aspects of coated conductors manufacturing and characterization by PLD and TLAG, as well as mechanical properties of cables and specific use of coated conductors in several applications, such as magnets, accelerators or RF devices.

Concerning the **U.S. Workshop on Superconductor Electronics, Devices, Circuits, and Systems** we include three invited talks delivered by Dr. Mike Schneider about neuromorphic computing, Dr. Sam Benz about Josephson junctions use as waveform synthesizers and Dr. Nobuyuki Yoshikawa who presented an overview of superconducting electronics in Japan.

We hope that you will find the content of the SNF Issue No. 59 informative and interesting. Remember to periodically check back to the site for continuous updates and announcements.

Xavier Obradors and the SNF Editorial Team