

Foreword Issue 58

We are pleased to present the Issue No. 58 of the Superconductivity News Forum which includes 6 new presentations from the **International Symposium of Superconductivity (ISS 2024)** celebrated in Kanazawa (Japan) in December 2024 and two presentations made at the **International Conference Emissions Free Air Transport Through Superconductivity (EFATS 2024)** celebrated in Enschede (The Netherlands) in October 2024.

First of all, from ISS 2024 we have included 1 Plenary talk and 2 invited talks in the Large scale category. These were presented by Dr. Shirabi Akita, Dr. Wesley T. B. de Sousa and Dr. Satoshi Fukui, respectively. The topics covered were power applications in Japan, the Superlink cable project and induction heating devices.

In the Electronics category we include 2 invited talks delivered by Dr. Hiraku Toida and Dr. Qingyuan Zhao. The topics of the talks were the use of superconducting flux qubits for sensing and single-photon detection using superconducting nanowires.

Finally, in the Materials category we provide a Plenary talk presented by Dr. Michael Eisterer. The topic of his presentation was neutron radiation effects on magnets in the context of fusion generators demands.

Concerning the EFATS 2024 conference we include 2 invited talks delivered by Dr. Christian Lacroix on the topic of using the Current Flow Diverter strategy to the CORC cables for aviation applications and Dr. Antonio Perin on Lessons Learned About Helium Gas Cooling of Large Systems.

We hope that you will find the content of the SNF Issue No. 58 informative and interesting. Remember to periodically check back to the site for continuous updates and announcements.

Xavier Obradors and the SNF Editorial Team