

We are pleased to present the Issue No. 57 of the Superconductivity News Forum which, includes 23 new presentations from the Applied Superconductivity Conference celebrated in Salt Lake City in September 2024, a summary of the Awards delivered there and the announcement of the obituary of Prof. Guy Deutscher included in the SNF web site.

First of all, four Plenary talks from ASC-24 are included, corresponding to Large Scale, Materials and Electronic topics, given by: Dr. Ezio Todesco, Dr. Kazumasa Iida, Dr. Alex Gurevich and Dr. Kenneth Segall. We remind you that the video recording of all the Plenary talks performed at ASC-24 will be also included at a certain stage in the ASC-24 web site.

We include then 19 Invited talks of ASC-24 corresponding to several sessions, and we hope to be able to increase the number of Invited talks in a future SNF Issue.

First, we include three talks corresponding to ordinary Large Scale sessions, six talks corresponding to two Large Scale Special sessions and two talks corresponding to a Joint session Large Scale - Materials. The first three correspond to Dr. Min Zhang, Dr. Loïc Quéval and Dr. Paolo Ferracin. Those of special sessions were given by: Dr. Ziad Melhem, Dr. Sastry Pamidi, Dr. Kathleen Amm, Dr. D. Scott Holmes and Dr. Mark Bird (Superconductivity Global Alliance); Dr. Stuart Wimbush (Fusion Public-Private Partnership); Dr. Brian Labombard and Sam Tippetts (Joint Session: Are Non-insulated REBCO magnets really self-protected?).

Second, we include four talks corresponding to Materials sessions, one from an ordinary session and three from a Materials Special session. The first corresponds to a presentation given by Dr. Teresa Puig and the other three to Dr. Mike Sumption, Dr. E. Hellstrom and Dr. Xavier Obradors (Challenges and Opportunities of superconducting materials).

Third, we have selected two talks from ordinary Electronics sessions and two talks from a Electronics Special session. The first two talks correspond to Dr. Naoki Takeuchi and Dr. Logan Howe. Those presented at the special session were given by: Dr. Yue Jiang and Dr. Elisabeth van Assadelft (Superconducting quantum sensing for axion search).

This SNF Issue also includes a list, and some images, of the Awardees recognized by IEEE – CSC at ASC-24 for: Continuous and significant contributions in the field of applied superconductivity (Large Scale and Materials), Sustained service to the applied superconductivity community, Fellow class, Van Duzer Award, Entrepreneurship award and Graduate Study Fellowships in applied superconductivity.

Finally, we include a short notice about the new entry into the SNF web site in the “In Memoriam” section, the obituary of Prof. Guy Deutscher from Tel Aviv University.

We hope that you will find the content of the SNF Issue No. 57 informative and interesting. Remember to periodically check back to the site for continuous updates and announcements.

Xavier Obradors and the SNF Editorial Team