

November 22, 2019 (E47). In the second half of the year 2019, three major applied superconductivity conferences took place on which we report in this issue: the International Superconductive Electronics Conference (ISEC 2019) in Riverside, California, USA, from 28 July until 1 August, the European Conference on Applied Superconductivity (EUCAS 2019) in Glasgow, UK, from 1 – 5 September, and the International Conference on Magnet Technology (MT 26) in Vancouver, Canada, from 22 – 27 September. All three conferences were well-visited with excellent organization and programs. Corresponding conference reports have been published on the front page of the Superconductivity News Forum: the ISEC Conference Report ([HE116](#)), the EUCAS Conference Report ([HE117](#)) on October 9, and the MT Conference Report ([HE118](#)) on October 17.

In two Previews to Issue No. 47, we made every effort to have talks and articles (in preprint) of these conferences available as quickly as possible. The second Preview was delayed due to some technical difficulties, but it was nevertheless published in less than 2 months after the conference. If further contributions from these three conferences are accepted, they will be made available in a Preview to Issue No. 48.

Quite a number of talks are published in this issue, primarily as pdf-files. We would prefer if all the talks would be accompanied by annotations to give the reader a fair chance to understand the presented research - even if the topic is not located in the center of the readers field of knowledge; we nevertheless accept talks without annotations in order to give readers the chance to recapture a talk and to get access to the specific information in the slides from a talk.

We are especially glad that the plenary talks of the ISEC and MT are nearly completely available in this issue. You will also find included nearly all presentations of the Young Scientist Plenaries - a laudable attempt to give young promising scientists the chance to present their research in quite short talks to the plenary audience.

Quite a number of us know Harold Weinstock from research projects, NATO summer schools, books, and the famous conference “Road to Room Temperature Superconductivity” which started many similar subsequent events. Harold retired recently from the Air Force Office of Scientific Research (AFOSR). His support for the superconductivity community worldwide was essential to push superconductivity to ever new heights. You will find an interesting look back in his memoirs “A Career in Superconductivity” included in this issue.

Applied Superconductivity has been characterized as declining and being represented by an ever-older community. These three conferences showed just the opposite - young people in the majority, many working in fields like digital and quantum computing that make headlines in the mainstream newspapers. Exciting reports about plans of huge expansions of accelerators and about superconducting motors for airplanes allowed a glimpse into the future of superconductivity. The reports about transitions to new superconducting materials opens new application of superconductivity or dramatic improvements of their performance, and progress reports about big nuclear fusion projects, with new ideas about management and realization of such projects, showed ways towards solving the energy problems of the world.

The Superconductivity News Forum is proud to present the current Issue No. 47 to the superconductivity community, and thanks all of the contributors for their help in preparing this issue. Without your support this Superconductivity News Forum would not exist, and we hope for even more contributions and information regarding research and applications of superconductivity in the future.

Horst Rogalla and the SNF Editorial Team