

Editorial Comments to SNF Issue No. 26

October 30, 2013 (E26). Issue No. 26 of SNF is devoted mainly, but not exclusively, to selected plenary and invited presentations and paper preprints from the EUCAS 2013 Conference, held in Genoa, Italy, from September 15 to 19, 2013. Information on that meeting is included in the Contents (see HE80 just below this Editorial).

We like to explain how the pre-published invited material submitted to a conference such as EUCAS is selected by SNF after obtaining Conference's and its Publisher's authorization¹. First of all, our invitation to pre-publish is accepted only by a part of authors. Furthermore, some of those submitting to us provide only their slide presentation, usually annotated per our request to make it clear to readers. Others submit only their manuscripts first submitted to the journal publishing plenary and invited papers of that conference. In the present case it is Superconductor Science and Technology (SuST), the IOP journal enjoying the highest impact factor of all journals worldwide devoted to superconductivity and related cryogenics. Sometime we receive both the manuscript and the slide presentation. In this last case annotation is not required. Independent of journal reviews, SNF reviewers scrutinize and grade the submitted manuscripts. Only those suitable for prepublication "as is", i.e., without any revisions are actually pre-published. Invited slide presentations are not reviewed, except for formal criteria of language, etc., especially in additional annotations. However, we accept only those that were actually presented at the meeting.

The present issue contains two preprints of plenary EUCAS 2013 presentations, by Arnaud Devred on the status of ITER conductors' production, and by Stefania Della Penna on the impact of superconducting devices on imaging in neuroscience (presentation by Gian Luca Romani). Plenary slide presentations, not submitted to SuST as manuscripts, are by Xavier Obradors on high-current (HTS) conductors for (electric) power applications, and by Hans Hilgenkamp on developments related to topology in superconducting electronics. The latter is illustrated by compelling animations.

The invited program of EUCAS 2013 is also represented by six preprints and one slide presentation on materials and conductors, two preprints (one of these is a winner of an ESAS Award for young researchers, a contributed manuscript invited by SuST) and one slide presentation on large scale applications of superconductivity, and also two preprints and one presentation on superconducting electronics. In addition to the EUCAS-related material, we pre-publish two regular preprints related to large-scale Nb-Ti conductors (both by Chinese authors from IEE, CAS) and one slide presentation on a novel method of damping temperature oscillations in small pulse tube cryocoolers, by authors from TransMit, Germany. It was presented at the very recent KRYO 2013 Workshop, held in Bad Herrenalb, Germany, on October 6 to 8, 2013.

All papers and presentations pre-published are preceded by four highlights on papers recently published in peer-reviewed journals. These papers deserve, we believe, a wide dissemination thus the corresponding highlights were invited by us.