

## PREFACE

The 19<sup>th</sup> International Conference on RF Superconductivity, SRF'19, took place at the Hilton Hotel in Dresden, Germany from Sunday, 30 June to Friday, 5 July, 2019. Tutorial sessions took place during the three days preceding the conference from 27-29 June, 2019. SRF'19 was hosted by the Helmholtz-Zentrum Dresden-Rossendorf (HZDR).

Dresden is an exceptionally beautiful city, and well placed to host an international conference. The venue, overlooking the Elbe river and the famous Frauenkirche, was ideally located in the heart of the historic city enjoying easy access to all major monuments. Preceded by a guided tour of the city, the conference dinner took place during a cruise on the River Elbe to the city of Pillnitz. It concluded with a splendid firework display.

The conference brought together 332 attendees, including international delegates from 16 countries, and 12 exhibitors. 28 students received grants to attend the conference, and 40 students presented their work during the special student poster session on the Sunday afternoon.

A total of 67 invited oral presentations and 302 poster papers were presented at the conference, and 8 JACoW editors, who began working on the Thursday preceding the conference, processed the 270 papers published in these proceedings.

The conference was organized into 11 sessions, three poster sessions were arranged on Monday, Tuesday and Thursday afternoons respectively. All other sessions were spread through Monday to Friday morning.

Two young investigator prizes, decided by the Program Committee and honored during the closing ceremony on the Friday, were awarded for the best poster presented by a student during the student poster session on the Sunday afternoon, and the best talk of the conference presented by a young investigator. Decisive for the nominations was that graduation to PhD was no more than 3 years prior to the conference. The prizes were awarded respectively to:

- Guilherme Dalla Lana Semione of DESY, Hamburg, for his student poster presentation (THP005, SUSP040) entitled "Near-Surface Region of Nb(100) During Thermal Treatments Relevant for Superconducting Radio-Frequency Cavities",

And to

- Bianca Giaccone, Illinois Institute of Technology BCPS (Physics)  
"Plasma Processing to Reduce Field Emission in LCLS-II 1.3 GHz SRF Cavities"

and

- Ryan D. Porter, Cornell University (CLASSE)  
"Field Limitation in Nb<sub>3</sub>Sn Cavities"

The success of SRF'19 was due to the excellent collaboration between the international teams of the OC and the LOC. The work and enthusiasm of the participants, as well as on the continuous support of societies, institutes and laboratories worldwide contribute hugely also to the success of all SRF events!

Peter Michel, HZDR  
SRF 2019 Conference Chair

