



Preface

The 10th Mechanical Engineering Design of Synchrotron Radiation Equipment and Instrumentation (MEDSI) conference took place from June 25th to 29th 2018 at the Cité Internationale Universitaire, Paris, France. This important biennial conference, hosted in 2018 by Synchrotron SOLEIL, gathers worldwide experts of the accelerator community and related technologies. MEDSI provides a forum for engineers from facilities around the world to meet and share their experience. The conference fulfills the need to improve information exchange on technical issues and equipment design.

The Scientific committee has reviewed all the abstracts to select the contributions and distribute them between oral and posters presentations. We invite you to see the presentations of the three Keynotes that we selected for the knowledge and background information that they give.

About 340 participants attended the conference and nearly 200 persons followed the Synchrotron Soleil lab tour. 171 abstracts (poster + talks) were submitted which finally summed up into the 128 contributions presented in these proceedings. The event program included 44 oral contributions, including 3 keynote talks, and 128 posters covering almost all engineering disciplines of particle accelerators and showing the vitality of our community. The MEDSI'18 with an unprecedented number of industrial partners (46 companies) was the most successful edition so far from this point of view.

We enjoyed a beautiful Parisian venue, including the gala dinner with a relaxing boat tour on the famous Parisian "bateaux-mouche". We hope that you have enjoyed your stay at Paris and went back to your respective labs with renewed ideas and motivations.

I will take the opportunity to deeply thank all the Local Organizing Committee for their dedication in making this event possible. Thanks to the local Scientific Committee members for such a quality selection for the oral contributions and the excellent choices for the Keynote Talks. Special thanks to the Jacow edition board for their patient work in editing this final version of the proceedings and also to the International Organizing Committee for their unconditional support.

Keihan TAVAKOLI
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MEDSI 2018 Chair

