

FOREWORD

60th ICFA ADVANCED BEAM DYNAMICS WORKSHOP

FLS2018

Shanghai, People's Republic of China, March 5-9, 2018

The 60th ICFA Advanced Beam Dynamics Workshop on Future Light Sources, FLS2018, was held on 5-9 March, 2018 at the Hotel Equatorial, Shanghai, China. There were 148 participants representing institutions from Asia, Europe and America. After a lapse of 6 years, FLS2018 restarts the Future Light Sources series.

The scientific program of the workshop was decided by the International Organizing Committee, chaired by Yong Ho Chin (KEK), and the conference was chaired by Zhentang Zhao (SINAP). The workshop was hosted by SINAP - the Shanghai Institute of Applied Physics, CAS. Its Local Organizing Committee was chaired by Zhengchi Hou (SINAP). Eighty-six talks were presented during the plenary and parallel working group (WG) sessions, including 8 plenary, 45 invited and 33 contributed talks. They covered a wide spectrum of topics on accelerator and laser based light sources and related key technologies during the past six years since the last FLS workshop gathering at JLab, USA, in 2012. The talks were well researched, highly informative and well received by the audience.

The four working groups were themed as follows: WG1: Linac based light sources, convened by T. Raubenheimer (SLAC), L. Giannessi (Elettra) and W. Decking (DESY); WG2: Ring based light sources, convened by R. Walker (DLS), Y. Li (BNL) and Q. Qin (IHEP); WG3: Compact light sources, convened by Chunguang Jing (Euclidtechlabs), M.E. Couprie (SOLEIL) and H. Zen (Kyoto University), and WG4: Key technologies, convened by John Byrd (ANL), Joachim Pflueger (European XFEL) and Y.B. Leng (SINAP). The four topics generated heated interest in all breakout sessions and the WG conveners showed strong leadership to engage all participants in the discussions.

The poster session was also a huge success with 38 posters presented. The detailed program and talks are available via the workshop website (<https://indico.sinap.ac.cn/e/fls2018>). The workshop proceedings are published at the JACoW site.

During the IOC meeting at FLS2018 it was decided to organize the next workshop (FLS2021) at PSI, in Switzerland.

Yong Ho Chin
FLS2018 IOC Chair

Zhentang Zhao
FLS2018 Workshop Chair