

Foreword

The 22nd International Workshop on ECR Ion Sources (ECRIS2016), which is the first ECR workshop in Busan, Korea, was held from 28th August to 1st September 2016.

Due to the effort on the development of 28 GHz superconducting ECR ion source, the IAC of ECRIS2014 decided Korea Basic Science Institute as a host institute of the ECRIS2016. Following that the ignition of the first ECR plasma was generated in 2014; we have successfully extracted the various ion beams from KBSI-ECRIS. For further performance improvement of our system, it is now on beam optimization after almost one year overhaul. For the optimization of the system, some modification of plasma chamber and so on are ongoing that will be provided better performance of the system.

ECRIS Workshop is a well-known event being excellent for on-going new result presentation. Under comprehensive discussions with IAC, the sessions were prepared to deal with the topics: Status Reports and New Development, RF Generation and Transport, Plasma Investigations, Beam Extraction & Optics, Charge Breeding, Theory, and Applications. Technologies as well as brand-new results related on ECRIS were presented and discussed during the workshop with 82 presentations including 38 oral contributions, including special talk by Dr. Claud Lyneis on the history of ECRIS development.

The selection committee of the Geller prize was chaired by Dr. Vadim to encourage young scientist at the research field of ECR ion source. The fifth “Richard Geller Prize” sponsored by the PANTECHNIK company was awarded to Dr. Alessio Galata, INFN-LNL, Italy.

I wish that all participants will keep good memories of the BULGUK temple, Museum of fine Arts, and the impressive Banquet in the Chosun Beach Hotel.

During the workshop, the International Advisory Committee agreed on holding the 23rd workshop in INFN-LNS, Italy in 2018.

The ECRIS2016 was a great success thanks to the active participation and enthusiastic support of all attendants. We are looking forward to the next workshop in beautiful city of Sicily.

Thank you very much

Mi-Sook Won

Chair, ECRIS2016