

Foreword

The Ninth International Workshop on Personal Computers and Particle Accelerator Controls (PCaPAC-2012) was held during December 04-07, 2012, at Kolkata, India. The workshop was organized by Variable Energy Cyclotron Centre (VECC). The number of submitted abstracts in PCaPAC-2012 was 152; the highest in the history of PCaPAC. It covered varieties of modern aspects of control system design, implementation and technologies used in the scientific fields including particle accelerators, fusion reactors, and telescopes available worldwide. A total of 101 abstracts were finally presented in the workshop including two keynote addresses. The Program Committee classified all abstracts into eleven scientific tracks which were distributed into thirteen scientific sessions during the workshop from Wednesday, December 5 to Friday, December 7, as per their relevance. Two keynote speeches were scheduled in the Inaugural session after the warm welcome address by Ranadhir Dey, Head, CPIESG, VECC followed by the scintillating presentation of Chairman, PCaPAC-2012, about the Workshop. “The CSS Story” was presented by the first keynote speaker, Matthias R. Clausen from DESY, Germany and Y S Mayya from BARC, India, talked about “Evolution of Control Systems for Large Telescopes and Accelerators: A retrospective”. The vote of thanks was offered by the workshop Secretary, Dr. Sarbajit Pal. A total of 139 registered participants from 13 countries discussed vigorously about the subjects related to up-to-date control systems and its future, in the scientific sessions.

There were two pre-workshop tutorials held on Tuesday, December 4, in parallel sessions before the inauguration of the workshop. Dr. Norihiko Kamikubota from High Energy Accelerator Research Organization, Japan conducted the tutorial on the subject “EPICS & CSS Tutorial Seminar and Hands-on” while “Programming EPICS enabled Real-Time and FPGA” was arranged by National Instruments. A few leading-edge equipment providers from all over the world exhibited their commercial products during the workshop and the exhibition was inaugurated by the Chairman of the workshop on December 5.

The conference consisted of a set of plenary oral sessions with two poster sessions. The plenary sessions consisted of invited as well as contributed orals. The different plenary sessions with a total of 38 technical papers including 13 invited and 25 contributed oral were chaired by the leading experts of the related fields across the globe. In the afternoon sessions of 27 posters on Wednesday and 36 on Thursday, close interaction was observed among the participants to exchange their ideas.

A banquet dinner was held at “Eco Hub Conclave”, Newtown on Wednesday and an instrumental duet featuring the Sitar and the Indian bamboo Flute was staged on that evening. A cultural programme of “Odissi” and “Kathak” dance was arranged on Thursday which was followed by dinner, hosted by Director, VECC.

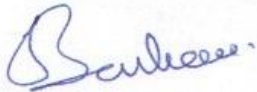
In the valedictory session, Wolfgang Mexner from KIT, Germany, declared the organization of PCaPAC-2014 at Karlsruhe. The Isamu Abe Prize was presented to two winners, Rajendra Nath Dutta of IUAC and Shantonu Sahoo of VECC at the valedictory session.

This proceedings contain not only the 101 contributions received from the participants but also include the pdf copies of the orals and posters presented at the workshop. The editorial team, led by Volker Schaa worked very hard to improve the quality and uniqueness of papers for this proceedings to be published under JACoW collaboration.

The successful and memorable event of the workshop was the result of hard work and support of many people. It all started in August, 2011, when VECC accepted the proposal from International Advisory Committee, PCaPAC, to organize the ninth one in its series. We would like to thank all the members of the National and International Advisory Committees, and especially the Local Organizing Committee. Thanks are also extended to the colleagues of VECC who put their untiring efforts and support directly or indirectly to ensure the success of PCaPAC-2012, organized within this short period.

We also wish to thank the JACoW Team members especially Volker Schaa, Christine Petit-Jean-Genaz, Matt Arena, Ivan Andrian and Takashi Kosuge for their support to publish this proceedings under JACoW collaboration.

The quality talks and discussion by the delegates made the standard of this workshop very high. The feedback received from the participants ensured a grand success of PCaPAC-2012. The participants look forward to meeting again at PCaPAC-2014 in KIT, Germany.



Debranjana Sarkar

Chair, PCaPAC-2012