

Dear colleagues,

Welcome to Brazil and to CNPEM!

Thank you all for coming. This year we complete twenty years of the PCaPAC workshop series, and also twenty years of the first electron beam around the accelerator at LNLS (Brazilian Synchrotron Light Laboratory). These days in 2016 are a special time to celebrate!

For the first time, Brazil is the host of a workshop in the accelerators control field. Nevertheless, this country is well acquainted to the matter. The LNLS accelerator complex has produced its first electron beam in 1996. In order to reach this, ten years of preparation under severe conditions were necessary: a decade-long struggle for funding during an era of high inflation rates and of policies that aimed to limit the importation of IT goods. Brazilian young engineers and physicists faced the challenge and reached success. They created a whole system of data acquisition devices, which remain the basis of the LNLS accelerator control system, and which was made available to the local industry, at some extension.

We are here to exchange achievements and experience. But, in addition, we would like to proudly present to you the project and the construction works of SIRIUS, a fourth-generation accelerator, which involves enormous engineering challenges. The LNLS team, with many new-generation young engineers who joined us, will enjoy the opportunity to show and validate some of their ideas around the project.

I would like to thank you all for the contribution to the program, of course, through a talk, a poster or a tutorial session. I leave also my acknowledgment to the invaluable advices from the colleagues in the international Programme Committee. Last but not least, I leave my gratitude to the members of the Local Organisation Committee, from different areas of CNPEM. These months of intense planning and organizing for this PCaPAC workshop brought us even closer.

May we all have a great time!

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PCaPAC 2016 Programme Committee, chair  
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LNLS - Brazilian Synchrotron Light Laboratory  
CNPEM - Brazilian Center for Research on Energy and Materials