

## Foreword

The 13<sup>th</sup> International Conference on Accelerator and Large Experimental Control Systems (ICALPECS 2011) conference was held from the 10<sup>th</sup> October to the 14<sup>th</sup> October at the World Trade Center (WTC) in Grenoble, France. It was hosted by the European Synchrotron Radiation Facility (ESRF). The conference was endorsed by the European Physics Society/Experimental Physics Control Systems (EPS/EPCS), the Institute of Electrical and Electronics Engineers (IEEE), Nuclear and Plasma Sciences Society (NPSS), the French Society of Physics (SFP Interdivision Physique des Accélérateurs et Technologies Associées), Physical Society of Japan (JPS), Particle Accelerator Society of Japan (PASJ), and the Association of Asia Pacific Physical Societies (AAPPS). The conference's Local Organising Committee was advised by two committees made up of members from the three regions – the International Scientific Advisory Committee (ISAC) and the Programme Committee (PC). The ISAC was comprised of 47 members and chaired by Roland Mueller of HZB. The PC was made up of 39 members and chaired by Jean-Michel Chaize of the ESRF.



ICALPECS 2011 had a record attendance. In total 625 registered. Of these 415 were delegates, 54 were 1 or 2 day only attendees, 38 were students or retirees, 18 were sponsors or VIPs, 21 were accompanying persons, 31 were editors or assistants. CERN was the most represented institute followed by the ESRF. The breakdown of attendees by region is as follows: 53 for Asia and Oceania, 451 For Europe, Middle East and Africa, 99 for North and South America.

A total of 573 abstracts were submitted of which 171 were withdrawn. Out of the remaining 402 abstracts 112 were awarded oral status (this includes the keynote and invited talks) and 290 were posters. Mini-orals were introduced for the first time at ICALPECS. During the mini-oral the speaker was given 3 minutes to present their poster. 31 posters were presented as mini-orals.

ICALPECS 2011 put strong emphasis on having a high number of quality keynote speakers. For the first time [7 specialists](#) from outside the community presented keynote talks. The feedback on the keynotes from the attendees was very positive proving they clearly contributed to the success of the conference in terms of the quality of the conference and attracting attendees.

The conference themes were chosen by the ISAC. The scientific programme was drawn up by the PC. Both committees did an excellent job choosing topics and talks and encouraging experts to present their work. A number of institutes were represented at ICALPECS for the first time. Parallel sessions were reintroduced. Out of a total of 20 sessions, 7 were parallel.

There were 6 pre-conference workshops held on the Sunday before the conference. The workshop themes were: [Open Hardware Initiative](#), [Cyber-Security](#), [TANGO](#), [jddd](#), and [CDM \(Common data model\)](#). The attendance of the pre-conference workshops was again very high. Over 200 people attended the workshops.

Tutorials were reintroduced at ICALEPCS 2011. Two tutorials were given: [Control Theory and Application to Accelerators and Fusion Reactors](#) by Stefan Simrock and **Implementing DSLs with Xtext and MPS** by Markus Völter. The tutorials were very well attended and much appreciated by the attendees. A round table discussion was held with some keynote speakers on *When and How to mix Languages. If not why not ?*

For the second time the ICALEPCS Lifetime Achievement Award (LAA) was given. The ICALEPCS 2011 award was presented to: Emmanuel Taurel (ESRF), Nicolas Leclercq (SOLEIL), and Pascal Verdier (ESRF) on behalf of and for their contribution to the TANGO collaboration over the last 10 years.

For the first time a selection of the ICALEPCS papers will be published in a peer reviewed journal: [Physical Review Special Topics Accelerators and Beams](#) (PRST-AB). A special edition of the journal will be published in mid 2012. All papers accepted and presented at ICALEPCS 2011 are eligible to submit for publication in the peer reviewed journal.

The local organisation of the conference was under the responsibility of the Local Organising Committee (LOC). The LOC was comprised of 9 people and was chaired by Anne-Françoise Maydew. The LOC put emphasis on complementing the high quality scientific programme with an excellent social programme. The conference started with a welcome cocktail in the modern art museum hosted by the city of Grenoble. On the second evening conference attendees were treated to typical French culinary specialties (cheese and wine) and dancing (including the famous French can-can!). An outing was organised during the conference to the Château de Vizille (an important event happened there during the French Revolution). The gala evening was organised in an unusual venue – the Grenoble ice rink - where attendees were treated to a world class French magician show. The post conference tour was a trip to Chamonix and a ride with the cable car up to the Aiguille de Midi to marvel at the spectacular scenery of the Mont Blanc mountain range from up-close.

The ISAC accepted the bid for ICALEPCS 2015 to be held in Melbourne (Australia) hosted jointly by the Australian Synchrotron and the Australian Nuclear Science and Technology Organisation (ANSTO).

As chairman I would like to thank everyone who contributed to make ICALEPCS 2011 a successful and memorable event. The conference was the result of many people's work and support both financial and moral. It all started in 2007 in Knoxville when the ISAC of ICALEPCS 2007 accepted the ESRF bid to host ICALEPCS 2011 in Grenoble. It continued with ICALEPCS 2009 who decided to sponsor ICALEPCS 2011 with the earnings that remained over from ICALEPCS 2009. I thank all the sponsors and exhibitors who helped finance the conference. The ISAC chair and committee did a great job advising the LOC during the 2 years leading up to the conference. The PC

did an excellent job shaping the scientific programme. The editors did a huge and excellent job editing the many abstracts and papers to ensure that the papers were of high quality. The delegates made the conference a success by participating with high quality talks and questions. The city of Grenoble, the WTC and the event organisers (Insight Outside) made a special effort to help make ICALEPCS a success and make the delegates feel welcome. A big thanks to the ESRF, the host institute, and all the colleagues who helped and provided support for ICALEPCS 2011.

Finally I would like to especially thank (1) the proceedings editor, Marie Robichon, for setting up and maintaining the SPMS and ensure that the Proceedings were ready on time, and (2) the LOC chair, Anne-Françoise Maydew, both of whom went far above their normal call of duty, and (3) all the LOC members who worked very hard to ensure ICALEPCS 2011 was a success!

I look forward to seeing everyone in San Francisco in 2013 and in Melbourne in 2015!

The Conference Chair

A handwritten signature in blue ink, appearing to read 'Andy Götz', with a stylized, cursive script.

Andy Götz