

Editorial

The 10th edition of *Frontier Detectors for Frontier Physics* was held in La Biodola, Isola d'Elba, Italy, on May 21–27, 2006. In 25 years of activity, the Pisa Meeting on Advanced Detectors has become a traditional rendez-vous for people involved in the design, construction and operation of particle detectors all over the world. Over the years, the number of participants has been steadily increasing from about 100 of the first 1980 edition to over 300, with a range of topics following the trends of the field, as detectors and techniques originally developed for High Energy Physics experiments have become common in astroparticle physics, medical physics, archeological research, and other fields.

More than 200 contributions were submitted to the Conference, among which the Session Conveners, with the help of the International Advisory Committee, chose, often with difficulty, the 56 oral presentations. Special care was devoted to present the audience with a program well balanced between progress reports on present detectors, in operation or construction, and new ideas for the future. In this spirit, the very important detector work going on for the LHC experiments was not allocated the space it would have deserved. Posters, which are an integral and fundamental part of the meeting program, were reviewed at the end of each related session.

In addition to the contributed talks, the meeting was enriched by two invited opening presentations on the future of high energy physics and of particle astrophysics and cosmology. A full morning was devoted to an especially stimulating round table session on “Strategies for Future Accelerators”, where the leaders of the major particle physics laboratories presented their views on the future of the field.

With topics including GEMs and MAPS, crystals for high-resolution calorimetry or PET applications, sub-nanosecond phototubes, silicon photomultipliers, CCDs for supernovae detection, it is virtually impossible to summarize this successful Meeting full of interesting presentations. It is worth mentioning, though, the informal atmosphere and the lively discussions, taking place both during the sessions and, thanks to the benevolent weather, in the more relaxed beach setting.

Products and material from many companies active in high-tech areas (from electronics to mechanical systems, from biomedical instruments to specialized detectors for space experiments) were on display during the Conference. Several contributions to the meeting were in fact due to fruitful collaborations between universities, research laboratories, and industries. For the fourth time the *Frontier Detectors for Frontier Physics* Executive Board awarded three prizes to outstanding young researchers, active in the development of detection techniques, who brilliantly contributed to the scientific program of the Conference. The recipients were Nicola Cesca (Università di Ferrara), Bilge Dermirkoz (Oxford University) and Judith McCarron (University of Edinburgh).

On behalf of the *Frontier Detectors for Frontier Physics* Executive Board we wish to express our sincere gratitude and appreciation to all contributors, to the Session Organizers, to the International Advisory Committee members and to the Local Organizing Committee.

Guest Editors

Franco Cervelli, Francesco Forti, Riccardo Paoletti
Angelo Scribano