

PREFACE

The 1990 European Particle Accelerator Conference which was held in Nice from Tuesday 12 June to Saturday 16 June, was locally organized by the Cyclotron Laboratory of the Centre Antoine Lacassagne. It followed the successful first Conference held in Rome in 1988. Of the 776 participants, 617 were from Europe including USSR (35), and 159 from other countries. The conference was opened with an address by P. Petiau, representing H. Curien, the French Minister for Research and Technology, followed by a brilliant review on physics with particle accelerators given by Professor Maurice Jacob; it ended with two excellent talks, on medical treatment with particle beams by Professor J. R. Castro from Berkeley, and on the scientific policy in Europe by Professor P. Fasella, Director for Science, Research and Development at the Commission of the European Communities.

The EPAC 90 was held under the auspices of the European Physical Society (EPS) and the European Committee for Future Accelerators (ECFA). It was made possible by the generosity of the numerous sponsors including the Directorate General for Science, Research and Development of the Commission of the European Communities (Brussels), CERN (Geneva), IN2P3 (Institut National de Physique Nucleaire et de Physique des Particules, Paris), IRF (Institut de Recherche Fondamentale, Paris), CAL (Centre Antoine Lacassagne, Nice), ESRF (European Synchrotron Radiation Facility, Grenoble), Laboratoire National Saturne (Saclay), GSI (Ges. für Schwerionenforschung, Darmstadt), DESY (Deutsches Elektronen Synchrotron, Hamburg), INFN (Istituto Nazionale di Fisica Nucleare, Rome).

A total of 49 invited papers, 44 contributions and 54 poster summaries were presented orally, and 475 as posters; the split between the European and international papers was about 2:1 indicating the strong activity in the field around the world.

It is impossible to do justice to all the papers presented during the week-long conference with two days of parallel sessions, where alongside the largest accelerators (SSC, LHC), smaller machines and interesting ongoing developments were also presented. A medical satellite meeting was organized with a common afternoon session with EPAC on Thursday. The doctors interested in using what they call "high energy accelerators" welcomed this opportunity to interact with the machine designers. The satellite meeting concluded with a round table on the European Light Ion Medical Accelerator (EULIMA) and a description of the strategic approach of the Commission of the European Communities towards the use of particle accelerators for cancer treatment given by Professor Vermorken. Overall, it was a highly technical Conference continuing the tradition of excellence started in Rome.

A large industrial exhibition with 48 companies represented was also an exciting event and a good opportunity to develop contacts. It gave the delegates a chance to see some of the latest technologies available. The participation of our colleagues from industry is now an important feature of EPAC, thus contributing a particular style to this new conference series. It is my pleasure to take this opportunity to thank M. Olivier, Mme Santos and Mme Colin for helping organize this exhibition.

The work of all those listed in the organization chart is impossible to acknowledge adequately. It was a real pleasure to work with the local organizing committee. However, my most special thanks must be expressed to Françoise Fein, Christine Petit-Jean-Genaz and Yannick Lautrette who helped with everything, and to Dominique Bony for handling these Proceedings.

Pierre Mandrillon
Chairman of the Local Organizing Committee