



EPAC 98

**SIXTH EUROPEAN PARTICLE ACCELERATOR
CONFERENCE**

Stockholm, 22 to 26 June 1998

Editorial Board

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PREFACE

The sixth European Particle Accelerator Conference, EPAC'98, took place at the City Conference Centre in Stockholm from Monday to Friday, 22 to 26 June 1998. It was organized by the Manne Siegbahn Laboratory, Stockholm University in cooperation with the The Svedberg Laboratory, Uppsala University and the Alfvén Laboratory, Royal Institute of Technology, Stockholm and was attended by 699 participants from 31 different countries. As at previous conferences in the series, a special effort was made to support the attendance of young and Eastern European scientists. Fifteen young scientists were supported from the conference budget. The attendance of thirty-four Eastern European scientists was facilitated thanks to contributions from the following European laboratories and institutions: CCLRC, CEA-DSM, CERN, DESY, GSI, HMI, IN2P3, INFN-LNF and PSI. The travel expenses of the Russian and Armenian delegates were financed by the Russian Academy of Sciences and the Yerevan Physics Institute, respectively.

EPAC'98 was held under the auspices of the European Physical Society Interdivisional Group on Accelerators (EPS-IGA) and was supported by the Royal Swedish Academy of Sciences, School of Electric Engineering and Information Technology at KTH, SAS and SCB. Further support was given by Danfysik A/S. Many thanks to all sponsors.

The conference was opened by the Chairman of European Physical Society Interdivisional Group on Accelerators (EPS-IGA) and Conference Organizing Committee (OC), Professor Sergio Tazzari, the Chairman of the Programme Subcommittee (PSC), Dr. Stephen Myers, and the Chairman of the Local Organizing Committee (LOC), Dr. Karl-Gunnar Rensfelt. The latter pointed out that the first paper on multistep acceleration was published by Gustaf Ising, Stockholm University in 1924¹. The opening lecture was given by Dr. Björn Svedberg, former chairman of Ericsson, Chairman of Chalmers University of Technology and Royal Swedish Academy of Engineering Sciences. The closing lecture by Professor Anders Bárány, Chairman of the Swedish Physical Society and Secretary of the Nobel Committee of Physics, Royal Swedish Academy of Sciences explained the procedures behind the selection of Nobel Prize Lauriates.

The scientific programme spanned four and a half days, with parallel sessions on three mornings and poster sessions on four afternoons. There were 51 invited papers (including the special session for industry), 38 contributed oral presentations and 703 poster papers. A special seminar for industry was organized under the Chairmanship of Dr. Staffan Rosander. The conference also provided facilities for 14 meetings of specialized groups.

An industrial exhibition took place during the first four days of the conference. Thirty-two international companies presented their high technology products and services to the conference delegates in an excellent atmosphere conducive to discussions between companies and customers. The exhibition was arranged by Dr. Dag Reistad.

The EPS-IGA accelerator prizes for 1998 were attributed as follows. The prize for a young physicist or engineer was attributed to Dr Søren Pape Møller, University of Aarhus, for the design, construction, and commissioning of ELISA, an electrostatic storage ring for atomic physics. The prize for outstanding work in the accelerator field was awarded to Dr Cristoforo Benvenuti, CERN, for major breakthroughs for achieving ultra-high vacua in storage rings using the NEG system, and for the development of Nb coatings of SC RF Cavities in LEP.

The main media for the proceedings of this conference is the CD-ROM distributed to all participants. The processing of the electronic files of contributions during and after the conference was achieved by a dynamic team composed of volunteers drawn from staff involved in the preparation of proceedings of the PAC, EPAC, APAC and Linac series of conferences, ably assisted in this task by local staff. Thanks to the work of this team and the careful preparations and guidance of Leif Liljeby, Christine Petit-Jean-Genaz and John Poole, a preliminary version of the proceedings was published on the Web already on 17 July 1998, only three weeks after the conference.

The success of EPAC'98 can be attributed to the efforts of the OC, chaired by Sergio Tazzari, the PSC, chaired by Steve Myers, the LOC: Håkan Danared, MSL (Registration), Mats Engström MSL (Technical Equipment), Anders Källberg MSL (Poster Sessions), Leif Liljeby MSL (Proceedings), Elisabet Oppenheimer, MSL (Conference Secretary), Dag Reistad TSL (Industrial Exhibition), Staffan Rosander, AL (Industrial Seminar), Helena Stark, SCB (hotel, social events, general) and Christine Petit-Jean-Genaz, CERN (EPAC Executive Secretary, Scientific Secretariat), chaired by K.-G. Rensfelt MSL, the local staff from MSL, TSL and AL and last but not least all of the participants.

K.-G. Rensfelt
Chairman of the EPAC'98 Local Organizing Committee

¹ Gustaf Ising, "Prinzip einer Methode zur Herstellung von Kanalstrahlen Hoher Voltzahl", Arkiv för Matematik, Astronomi och Fysik, Band 18 (1924)1