

The 2003 Particle Accelerator Conference

The twentieth biennial Particle Accelerator Conference on Accelerator Science and Technology was held May 12–16, 2003 at the Hilton Hotel in Portland, Oregon. The Stanford Linear Accelerator Center and the Lawrence Berkeley National Laboratory organized PAC 2003, and it was held under the auspices of the Nuclear and Plasma Sciences Society of the Institute of Electrical and Electronics Engineers and the Division of Physics of Beams of the American Physical Society. The attendance was 1135 registrants from 21 countries. These Proceedings present 195 papers from the nearly 225 invited and contributed orals, as well as 925 papers from the poster sessions.

The primary purpose of Particle Accelerator Conferences is to provide a forum for communication and exchange of ideas among accelerator scientists and engineers. This purpose was well served at PAC 2003 by the program of invited and contributed papers and through the informal interactions made possible by the hospitality and ambience of the Hilton Hotel and Portland.

The Program Committee was co-chaired by Alan Jackson and Ed Lee. The program they arranged had opening and closing plenary sessions that covered the most important accomplishments, opportunities, and applications of accelerators. During the remainder of the conference there were parallel sessions with oral and poster presentations. In addition, there was an industrial exhibit during the first three days.

The social program began on Sunday evening with a reception for conference participants. The banquet, which was on Thursday evening, featured the jazz of the Leonard Webb Quartet.

There was a special session Wednesday afternoon for presentations by some of the award winners honored at the conference. This was followed by an enjoyable awards ceremony and reception sponsored by the IEEE Nuclear and Plasma Sciences Society and the APS Division of Physics of Beams. The honorees were:

APS Robert R. Wilson Prize
Helen T. Edwards (Fermilab)

IEEE/NPSS Particle Accelerator Science and Technology Awards
Stephen Milton (Argonne National Laboratory)
Keith Symon (University of Wisconsin)

IEEE/NPSS Early Achievement Award
Simon Cooke (Naval Research Laboratory & SAIC)

APS Award for Outstanding Doctoral Thesis Research in Beam Physics
David Pritzkau (Big Bear Networks, Inc., & SLAC)

U.S. Particle Accelerator School Prize for Achievement in Accelerator Physics and Technology
Martin Reiser (University of Maryland)
Sami Tantawi (SLAC)

APS Fellowships

Stephen Benson (TJNAF)	Alan Jackson (LBNL)
Yu-Jiuan Chen (LLNL)	Stephen Milton (Argonne Nat'l Lab)
Ralph Fiorito (Catholic Univ. of America)	Nikolai Mokhov (Fermilab)
Donald Prosnitz (US Dept. of Justice)	

In addition, the winners of the student travel awards sponsored by the National Science Foundation, the IEEE NPSS, and the APS DPB were recognized.

PAC 2003 was a success because of the efforts of many people. Maura Chatwell and Adrienne Higashi coordinated the conference and handled all the arrangements. Joy Kono and Anna Smith provided essential support for the program, and Sara Webber was invaluable in producing these proceedings. I would like to give my thanks to them and to the other members of the Local Organizing Committee, the JACoW Editorial Staff, the Proceedings Staff, the Computing and Networking Staff, and the Registration Staff. Their hard work, dedication, and congeniality made PAC 2003 a pleasant and rewarding experience.

Bob Siemann
Chair, 2003 Particle Accelerator Conference

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