

FOREWORD

The 2001 Particle Accelerator Conference (PAC 2001) was held at the Hyatt Regency Hotel, Chicago, Illinois on June 18-22, 2001 hosted jointly by Argonne National Laboratory, Fermi National Accelerator Laboratory, and Oak Ridge National Laboratory. Under the sponsorship of the Institute of Electrical and Electronic Engineers through its Nuclear and Plasma Science Society and the American Physical Society through its Division of Physics of Beams, the Organizing Committee has overseen the conference and the program planning of this 19th biennial conference. The membership of the Organizing Committee is list elsewhere in these Proceedings.

The Program Committee, under the chairmanship of Gerald Jackson, began the 5-day conference program with the opening plenary session. There were 83 invited papers, 139 contributing oral papers, and 1180 contributing poster papers totaling 1402 papers. This Conference was one of the largest, if not the largest, in the PAC series. It was truly international as well, as characterized by the number of attendees and number of papers; about 40% of the invited and contributed papers came from outside the U.S. Thanks to the hard work put forth by the Program Committee; the program was well balanced and up to date. The membership of the Program Committee is also listed elsewhere in these Proceedings.

Some 1280 people attended the Conference, making it the largest number ever for a PAC conference held in Chicago. The Local Organizing Committee, which consisted of personnel from ANL, FNAL, and ORNL, organized the details of day-to-day conference operation. It is my pleasure to acknowledge the hard work put forth by all members of the Local Organizing Committee. The membership is listed elsewhere in these Proceedings.

During the traditional Thursday night Conference Banquet, Dr. Hermann A. Grunder, Director of Argonne National Laboratory, provided the after dinner speech titled "Building on the Success of Accelerator Physicists and Engineers." Pre- and post-dinner music was provided by *The Chicago Hot Six*, a Dixieland jazz band composed of Fermilab scientists and headed by Roy Rubinstein.

A large number of people from many laboratories in many countries volunteered to provide assistance with conference operations before, during, and after conference. Volunteers from the Asian Particle Accelerator Conference series, the European Particle Accelerator Conference series, PAC1999, and PAC2003 helped carry out the daily operations of the conference.

For the Conference Proceedings' editorial and other related work, under the leadership of Peter Lucas (Editor) and Sara Webber (Assistant Editor) both from FNAL, the following people edited the manuscripts before, during and after the conference and/or worked on quality assurance testing of the CD-ROM:

Joe Chew (LBNL)	Cynthia Crego (FNAL)
Cathy Eyberger (ANL)	Terry Garvey (LAL-Orsay)
Charline Horak (ORNL)	Kelly Jaje (ANL)
Eileen Johnson (ANL)	Pascal LeRoux (CERN)
Lief Liljeby (MSL-Stockholm)	Waldo McKay (BNL)
Christine Petit-Jean-Genaz (CERN)	John Poole (CERN)
Andrei Shishlo (BNL)	John Smith (BNL)
Masafumi Taira (KEK)	

In addition to these Proceedings editors, the following people managed the manuscript submission desk:

Carolyn Camp (JLab)	Myra Fultz (ORNL)
Gale Sundeen-Coleman (JLab)	Sherry Thomas (JLab)

The following personnel provided computer support:

John Bellendir (FNAL)	Dan Haid (ORNL)
Kip Kippenhan (FNAL)	Andrew Rader (FNAL)
John Urish (FNAL)	Kevin Williams (FNAL)

Database management was provided by:

Felix Lacap (ANL)
Chris Thoman (ANL)

Matt Arena (FNAL)
Marcia Wood (ANL)

The following people greeted and assisted conference attendees at the registration desk:

Judy Benigno (ANL)
Mary Campbell (BNL)
Barbara Dalton (ANL)
Kelly Jaje (ANL)
Susan Picologlou (ANL)

Joan Brunsvold (ANL)
Maura Chatwell (SLAC)
Cathy Eyberger (ANL)
Eileen Johnson (ANL)
Carolyn Tobin Peters (ANL)

Myra Fultz (ORNL), Jerry Nolen (ANL), and Marion White (ANL/ORNL) provided photographs for the Proceedings.

Richard Fenner (ANL) create the graphic designs for the poster and conference booklet as well as the covers of the Conference Proceedings books and CD-ROM.

Matt Arena (FNAL) created the CD-ROM of the Conference Proceedings.

Lastly, I would like to acknowledge two people whose tireless efforts made the Conference a success. Cathy Eyberger, Conference Coordinator, managed the conference from beginning to end. Joan Brunsvold, ANL Conference Services Department Manager, provided the logistics of the conference from the hotel contract negotiation of 1996 through the closeout of the Conference.

Yanglai Cho
PAC2001 Conference Chair