

## Foreword

The Fifth International Workshop on Accelerator Alignment (IWAA97) was organized in a joint effort between Fermi and Argonne National Laboratories. The workshop was hosted by Argonne National Laboratory in October 1997 at the new Advanced Photon Source (APS) conference facilities.

The four day workshop opened with welcome addresses presented by Dr. Moncton, Associate Laboratory Director of the APS, and Dr. Galayda, Associate Division Director for the Accelerator Systems Division of the APS. Prof. Löffler, a longtime member of the IWAA organizing committee and seasoned group leader for the Survey and Alignment Department at DESY, followed with a keynote in which he presented the “Evolution of the Accelerator Alignment Methods at DESY over the past thirty years”. In light of his retirement shortly after this workshop, we could not have imagined a better speaker for this keynote. We wish Prof. Löffler the best for his retirement and hope for his continued support for future workshops of this kind.

The Workshop had 115 participants and 6 vendors exhibiting new high precision survey and alignment equipment. Attendees came from the USA, Canada, France, Italy, Switzerland, Germany, United Kingdom, Korea and Japan.

The workshop contained seven sessions with 42 oral presentations. The last day saw IWAA meeting in conjunction with the IAG/FAG joint session for the first time and contributing through a number of excellent presentations. Due to the amount of contributions received, 16 posters supplemented the oral presentations.

The program was rounded out by tours of Fermi National Laboratory and the Advanced Photon Source and an architectural dinner cruise on the Chicago River together with participants of the Magnet Measurement Workshop.

In addition to the IWAA97 organizing committee, many people at Argonne and Fermi contributed to the success of this Workshop. Special thanks go to Barbara Hall as Workshop Secretary, Joan Brunsvold and Jacquie Habenicht as Registrars, and Rick Fenner for the design of the IWAA97 logo. We also would like to acknowledge the staffing support from J. Galayda and the Accelerator Systems Division.

Special thanks to all of you who contributed a poster or oral presentation for your efforts; after all, this was the essence of this workshop, providing a platform for the mutual exchange of new ideas related to Industrial Surveying in general or Accelerator Alignment in particular. Consistent with the development of a special WEB site for the organization of the IWAA97, the proceedings have been published in electronic form on a CD, thereby providing easy access to all IWAA contributions with a searchable index. We would like to thank the SLAC Metrology Department for their support in preparing the contents of the CD.

The next workshop in this series will be hosted by the European Synchrotron Radiation Facility at Grenoble, France, in the fall of 1999.

H. Friedsam, T. Sager  
IWAA97 Chairmen