



Contained in this issue of the *Journal of Materials Engineering and Performance* are papers selected from presentations given at the 1993 Hard & Soft Magnetic Materials Conference, which was part of ASM International Materials Week '93, 18-20 October, Pittsburgh, Pa. The Conference was sponsored by the Magnetic Materials Group of ASM's Specialty Materials Division and was organized by the MMG 1993 Program Chairperson, Carol J. Painter, Westinghouse Science and Technology Center, into the following five sessions, which included a special session highlighting Pittsburgh's significant contributions to magnetics technology.

PAST, PRESENT STATUS, AND FUTURE OUTLOOK ON MAGNETICS TECHNOLOGY IN PITTSBURGH

Co-chairpersons

C.J. Painter, Westinghouse STC

J.A. Salsgiver, Allegheny Ludlum Corporation

PERMANENT MAGNETS - Part 1

Co-chairpersons

S.G. Sankar, Carnegie Mellon Research Institute

G.D. Hadjipanayis, University of Delaware

PERMANENT MAGNETS - Part 2

Co-chairpersons

C.D. Fuerst, GM Research and Development Center

K.S. Narasimhan, Hoeganaes Corporation

SOFT MAGNETIC MATERIALS

Co-chairpersons

E.M. Norin, Allied-Signal Corporation

J. Bularzik, Inland Steel Research Laboratories

SPECIAL TOPICS IN MAGNETIC PHENOMENA

Co-chairpersons

R.F. Krause, Magnetix International

V. Ramaran, ABB Transmission Technical Institute



C.J. Painter
1993 Program
Chairperson



P.K. Rastogi
1993 Publications
Chairperson



K.S.V.I. Narasimhan
1993 Administrative



J.A. Salsgiver
1993 Group

The 1993 Conference was very special to many of the organizers because of the Pittsburgh theme and the opportunity to highlight the importance of our community to the development of magnetics technology (see the commentary on the following page). As in past years, the level of presentations was very high and the papers being published herein rather excellent, having the rigorous *JMEP* peer-review process.

The Group Governing Board also wishes to thank the efforts of the session co-chairpersons for another successful program and wish to acknowledge the help of other international friends and Group members for contributions to this successful event: Y. Tokunaga and S. Iguchi, Nippon Steel USA, Inc.; T. Kuzuhara, Kawasaki Steel America, Inc.; and P. Bockley and P. Carlberg, European Electrical Steels. We are also indebted to the dedicated professionals of ASM's conference staff and *JMEP* editors.

J.A. Salsgiver, Chairman
The Magnetic Materials Group Governing Board
1993 Hard & Soft Magnetism Conference