

SYMPOSIUM X

Frontiers of Materials Research
Authoritative Reviews for Nonspecialists

December 2 – 5, 2002

Chairs

Marie-Isabelle Baraton	Univ of Limoges
Eric L. Garfunkel	Rutgers Univ
David C. Martin	Univ of Michigan
Stuart S.P. Parkin	IBM Almaden Research Ctr

* Invited paper

This symposium is the Society's principal vehicle to maintain the interdisciplinary and integrative nature of its mission within the materials community with invited reviews presented over the lunch hour. Leaders in various specialties represented by the topical symposia present reviews designed for materials researchers who are NOT specialists in the reviewed field.

SESSION X1:

Chairs: Marie-Isabelle Baraton, Eric L. Garfunkel,
David C. Martin and Stuart S.P. Parkin
Monday Afternoon, December 2, 2002
Grand Ballroom (Sheraton)

12:05 PM *X1.1

THE ART AND MATERIALS SCIENCE OF 190 mph SUPERBIKES. Charles M. Falco, University of Arizona, Tucson, AZ.

12:45 PM *X1.2

TURNBULL AWARD LECTURER PRESENTATION

METALLURGISTS AND MATERIALS SCIENTISTS: SCOPE FOR SKEPTICISM? Robert W. Cahn, University of Cambridge, Department of Materials Science & Metallurgy, Cambridge, UNITED KINGDOM.

SESSION X2:

Chairs: Marie-Isabelle Baraton, Eric L. Garfunkel,
David C. Martin and Stuart S.P. Parkin
Tuesday Afternoon, December 3, 2002
Grand Ballroom (Sheraton)

12:05 PM *X2.1

CARBON NANOELECTRONICS. Paul L. McEuen, LASSP, Cornell University, Ithaca, NY.

12:45 PM *X2.2

FERROMAGNETISM AND SPINTRONICS IN SEMICONDUCTORS. Hideo Ohno, Research Institute of Electrical Communication, Tohoku University, Sendai, JAPAN.

SESSION X3:

Chairs: Marie-Isabelle Baraton, Eric L. Garfunkel,
David C. Martin and Stuart S.P. Parkin
Wednesday Afternoon, December 4, 2002
Grand Ballroom (Sheraton)

12:05 PM *X3.1

INTRODUCTION TO ORGANIC-BASED MAGNETS, FROM LOW AND HIGH TEMPERATURE MAGNETS TO MATERIALS FOR PHOTO-INDUCED MAGNETISM AND SPINTRONICS. Arthur J. Epstein, The Ohio State University, Department of Physics and Department of Chemistry, Columbus, OH.

12:45 PM *X3.2

FILM ARCHIVING IN THE DIGITAL AGE – A FRENCH EXPERIENCE. Michelle Aubert, French Film Archives of National Center of Cinematography, (Archives Française du film, Centre national de la cinématographie).

SESSION X4:

Chairs: Marie-Isabelle Baraton, Eric L. Garfunkel,
David C. Martin and Stuart S.P. Parkin
Thursday Afternoon, December 5, 2002
Grand Ballroom (Sheraton)

12:05 PM *X4.1

APPLICATIONS OF X-RAYS TO FORENSIC SCIENCE. David F. Rendle, Forensic Science Service, London Laboratory, London, UNITED KINGDOM.

12:45 PM *X4.2

MRS MEDAL AWARD TALK PRESENTATION

SMALL IS DIFFERENT: HARD AND SOFT NANOTRIBOLOGICAL JUNCTIONS. Uzi Landman, Georgia Inst of Technology, School of Physics, Atlanta, GA.

PIZZA WILL BE PROVIDED
COURTESY OF THE 2002 FALL
MEETING CHAIRS