

GROUP MEETING AGENDA

JULY 28, 1998

6:30 **Cash Bar - Parliament 1 & 2**

7:00 **Dinner - Parliament 1 & 2**

JULY 29, 1998

Set Up Posters During Day - Expo I

8:00 **Continental Breakfast - Expo 1**

8:30 **Welcome - Windsor IV**
Meera Chandrasekhar

8:40 **Opening Remarks**
Arden L. Bement, Jr., Director

9:00 **Neutron Diffraction Studies of High Temperature Superconductors**
William B. Yelon
University of Missouri-Columbia

9:20 **Structural Defects and Interfaces in High T_c Superconducting Compounds**
Eric Kvam
Purdue University

9:40 **Microwave and Optical Studies of High-Temperature Superconductors**
Howard A. Blackstead
University of Notre Dame

10:00 **Break - Expo I**

10:30 **High Temperature Superconducting Tubes for Magnetic Shielding Applications**

Kevin Trumble, Purdue University
Keith Bowman, Purdue University
Mike McElfresh, Purdue University

10:50 **Dynamical Properties of Josephson-Coupled Systems: Application to High-Temperature Superconductors**

David Stroud
Ohio State University

11:10 **Effects of ac Magnetic Fields on Superconducting ac Currents: Moving Toward an Understanding of Three-Phase Electrical Power Transmission Using Superconductors**

Patricia E. Bauman, Purdue University
Daniel Phillips, Purdue University
Mike McElfresh, Purdue University

11:30 **Microstructural Dependence of Critical Current Density in Melt Textured $YBa_2Cu_3O_{6+x}$ Superconductors**

Paul J. McGinn
University of Notre Dame

11:50 **Lunch - Parliament 1 & 2**

1:00 **Guest Speaker - John Rowell "Roadmap for Superconductivity" Northwestern University**

2:00 **Vortices in Anisotropic Superconductors**

Paul F. Muzikar
Purdue University

2:20 **Device-Related Properties of Doped $YBa_2(Cu_{1-x}M_x)_3O_{7-\delta}$ Films**

Thomas R. Lemberger
Ohio State University

2:40 **Break - Expo I**

3:00 **Lab Tour**

6:30 **Cash Bar - Parliament 1 & 2**

7:00 **Dinner - Parliament 1 & 2**

8:30 **Poster Session and Judging - Expo I**