

APPENDIX 1: ORGANIZATION AND PROCEDURE

In December 2000 and January 2001, Joseph L. Dehmer, Director of the Division of Physics at the National Science Foundation, together with program officers in that Division, identified a Steering Committee for Computational Physics. The steering committee was a small but broadly representative group of computational scientists who were asked to organize an NSF-sponsored workshop on emerging research opportunities and strategies for computational physics. The workshop and its panels or breakout sessions were to provide input and material for a report on Opportunities and Strategies for Discovery in Physics through Computation. The Steering Committee was further charged to draft the report which would represent the conclusions of the workshop.

On March 20, 2001, the Steering Committee met at the National Science Foundation in Arlington, Virginia, to plan the workshop, to choose speakers, and to define the scope of the panel sessions and the eventual report. At that time the Committee also heard the ideas and questions of program officers at the Foundation concerning computational physics, broadly construed, in the context of the mathematical and physical sciences.

A small working group of NSF staff members on whom the Steering Committee could rely for advice was also identified. That group included Barry Schneider, Bradley Keister, Richard Isaacson, Richard Pratt, Joseph Dehmer, Jack Lightbody, and Wayne Van Citters.

The workshop was held on September 11 and 12 at the Alliance Center for Collaboration, Education, Science and Software at the University of Illinois Ballston Metro Center Office Tower in Arlington, Virginia. The Alliance Center is a well-equipped Access Grid node that allowed for participation from sites around the country. Registration for the workshop was offered electronically at the conference website and was advertised through the NSF web pages as well as through professional organizations. Approximately 50 people attended the workshop in person.

The workshop web site, where a number of the talks are posted, may be visited at: <http://www.lbl.gov/Conferences/NSF/Computation/> .

This report was drafted by the Steering Committee members and includes direct input from some of the speakers and attendees as well as members of the committee. The Committee is grateful for the valuable, generous help it has received from the speakers and attendees, without whom this report would not have been possible.