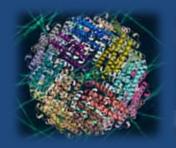


# REPORT OF THE ADVISORY COMMITTEE FOR GPRA PERFORMANCE ASSESSMENT

# FY 2009

DAVID B. SPENCER, Sc.D. CHAIR

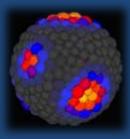
SHARON DAWES, Ph.D. VICE CHAIR











### Advisory Committee for GPRA Performance Assessment (AC/GPA)

The Advisory Committee for GPRA Performance Assessment (AC/GPA) was established in June 2002 to provide advice and recommendations to the NSF Director regarding the Foundation's performance under the Government Performance and Results Act (GPRA) of 1993. The Committee meets annually to assess the Foundation's overall performance according to the strategic outcome goals in the current NSF Strategic Plan (FY 2006 – 2011). The Committee is comprised of representatives from academia, industry, and government research organizations. For 2009, the committee was directed to assess the three strategic outcome goals of Discovery, Learning, and Research Infrastructure. In addition, we were charged with examining alternate methods of performance assessment, which we did by organizing a Future Assessment Task Group to undertake a more holistic view of ways in which NSF might demonstrate longer-term achievement of its strategic goals. This report was compiled by the Chair, David Spencer, and the Vice Chair, Sharon Dawes, from contributions from all Committee members. It features an Executive Summary with conclusions and recommendations, followed by detailed reports of the Task Group and three subgroups organized by strategic goal.

See Page 52 for information about the images that appear on the cover of this report.

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# **Advisory Committee for GPRA Performance Assessment (AC/GPA)**

# **2009 Membership List**

\* Denotes a new member for June 2009 meeting

#### David Spencer - Chair (SBIR AC)

Chairman & Chief Technical Officer wTe Corporation Bedford, MA

#### Sharon Dawes - Vice-Chair (B&O AC)

Senior Fellow, Center for Technology in Government University at Albany State University of New York Albany, NY

#### Mary R. Albert

Professor of Engineering, Director, Ice Drilling Program Office Dartmouth College Hanover, NH

#### **Diran Apelian**

Howmet Professor of Mechanical Engineering and Director, Metal Processing Institute Worcester Polytechnic Institute Worcester, MA

#### Wendy Baldwin \*

Director, Poverty, Gender and Youth Program Population Council New York, NY

#### Legand Burge \* (ENG AC)

Dean, College of Engineering, Architecture, and Physical Sciences Tuskegee University Tuskegee, AL

#### Cinda-Sue Davis \* (EHR AC)

Program Director, Women in Science and Engineering Program University of Michigan Ann Arbor, MI

#### Jorge L. Díaz-Herrera (CISE AC)

Professor and Dean, Golisano College of Computing and Information Sciences Rochester Institute of Technology Rochester, NY

#### Ed Getty \*

Group Director, External Technology Acquisition, Global Research and Innovation The Coca Cola Company Atlanta, GA

#### Ira Harkavy (SBE AC)

Associate Vice President and Director Netter Center for Community Partnerships Office of Government and Community Affairs University of Pennsylvania Philadelphia, PA

# Wayne Johnson \* (SBIR AC)

Weston, MA

#### Marian Johnson-Thompson \* (CEOSE)

Retired Director of Education and Biomedical Research Development National Institute of Environmental Health Sciences (NIEHS) Durham, NC

#### Deanna Paniataaq Kingston (OPP AC)

Associate Professor Department of Anthropology Oregon State University Corvallis, OR

#### Maria (Mia) Ong \* (CEOSE)

Director, Diversity Resource Group TERC Cambridge, MA

#### Pamela O'Neil

Associate Provost Brown University Providence, RI

#### Mary Jane Perry \* (GEO AC and ERE AC)

Professor, Marine Sciences University of Maine Walpole, ME

#### Saifur Rahman \* (OISE AC)

Director, VT Advanced Research Institute Virginia Tech Arlington, VA

#### Mary Ellen Sheridan (B&O AC)

Associate Vice President for Research (retired) The University of Chicago Worthington, OH

#### James Stith \*

Vice President, Emeritus American Institute of Physics Mitchellville, MD

#### Joel E. Tohline (MPS AC)

Professor of Physics and Astronomy Louisiana State University Baton Rouge, LA

#### Daniel Wubah \* (BIO AC)

Vice-President and Dean for Undergraduate Education Virginia Tech Blacksburg, VA