



# CALIFORNIA COUNCIL ON SCIENCE AND TECHNOLOGY

## Sustaining Members

*University of California • California State University  
California Community Colleges • California Institute of Technology  
Stanford University • University of Southern California*

## Laboratory Affiliate Members

*Lawrence Berkeley National Laboratory  
Lawrence Livermore National Laboratory • Sandia National Laboratory  
Stanford Linear Accelerator Center • NASA Ames • Jet Propulsion Laboratory*

## CCST Gathering Storm Ad-hoc Committee

**Bruce M. Alberts**, Professor, Department of Biochemistry & Biophysics, UC San Francisco  
**Warren J. Baker**, President, California Polytechnic State University, San Luis Obispo  
**Alfonso F. Cárdenas**, Professor of Computer Science, UC Los Angeles  
**Michael T. Clegg**, Professor of Biological Sciences, UC Irvine  
**Lawrence B. Coleman**, Vice Provost for Research, University of California  
**M.R.C. Greenwood**, Professor of Nutrition & Internal Medicine, UC Davis  
**Susan Hackwood**, Executive Director, California Council on Science and Technology  
**Miriam E. John**, Emeritus Vice President, Sandia National Laboratories, California  
**Charles F. Kennel**, Professor, Scripps Institution of Oceanography, UC San Diego  
**David W. Martin, Jr., M.D.**, Chairman & CEO, AvidBiotics Corporation  
**Lawrence T. Papay**, Council Chair, CCST, CEO and Principal, PQR, LLC  
**Karl S. Pister**, Board Chair, CCST, Former Vice President-Educational Outreach, UC  
**Stephen D. Rockwood**, Executive Vice President, Science Applications International Corp.  
**Pam Samuelson**, Professor of Information Management and Law, UCB  
**Cornelius Sullivan**, Professor of Biology, USC  
**James M. Rosser**, President, CSU Los Angeles  
**Andrew Viterbi**, President, Viterbi Group, LLC

## Task Force A: K-12 Science and Math Education

**Met October 4, 2006**

Increase California's talent pool by vastly improving K-12 science and mathematics education, higher education.

**Chair John E. Bryson**, Chairman and President, Edison International,  
**Vice Chair Stephen Bechtel, Jr.**, Chairman Retired & Director, Bechtel Group, Inc.,  
**James F. Albaugh**, Executive Vice President, The Boeing Company  
**\*Bruce M. Alberts**, Professor, Department of Biochemistry & Biophysics, UC San Francisco  
**Gary Hart**, Founder, Institute for Educational Reform, CSU Sacramento  
**\*Juliana Jones**, Teacher, Montera Middle School  
**\*Lawrence T. Papay**, CEO and Principal, PQR, LLC  
**\*Karl S. Pister**, Former Vice President-Educational Outreach, University of California  
**\*James M. Rosser**, President, CSU Los Angeles  
**Jeffrey Rudolph**, President and CEO, California Science Center  
**Richard Stephens**, Senior Vice President, Human Resources, The Boeing Company

## Task Force B: Sowing the Seeds Through Science and Engineering Research

**Met October 31, 2006**

Sustain and strengthen California's commitment to long-term basic research that has the potential to be transformational to maintain the flow of ideas that fuel the economy, provide security, and enhance the quality of life.

**Chair \*Lawrence T. Papay**, Council Chair, CCST, CEO and Principal, PQR, LLC  
**Richard C. Atkinson**, President Emeritus, University of California

## **CCST Gathering Storm Ad-hoc Committee**

**Julia Brown**, Executive Vice President, Amylin Pharmaceuticals  
**Charles Elachi**, Director, Jet Propulsion Laboratory  
**\*William F. Miller**, Professor of Public & Private Management, Emeritus, Stanford  
**Terry A. Michalske**, Director, Combustion, Biofuels & Synfuel, Sandia National Laboratories  
**\*Maxine L. Savitz**, Vice President, NAE  
**Larry Smarr**, Cal IT<sup>2</sup>, UCSD  
**Julie Meier Wright**, President & CEO, San Diego Economic Development Corporation

### **Task Force C: Best and Brightest in Science and Engineering Higher Education**

**Met October 20, 2006**

Make California the most attractive setting in which to study and perform research so that we can develop, recruit, and retain the best and brightest students, scientists, and engineers from within the United States and throughout the world.

**Chair Alexis Livanos**, Corporate Vice President & President, Northrop Grumman Space Technology  
**Bran Ferren**, Co-Chairman, Applied Minds  
**Jane Hansen**, CEO, HRP Systems  
**\*Miriam E. John**, Emeritus Vice President, Sandia National Laboratories/CA  
**Peter Kaufman**, Chairman and CEO, Glenair Incorporated  
**\*David Martin, Jr., M.D.**, Chair and CEO AvidBiotics Corporation  
**Elon Musk**, Founder, Space X  
**Sally Ride**, President & CEO, Sally Ride Science  
**James R. Wertz**, President, Microcosm  
**Yannis C. Yortsos**, Dean, College of Engineering, University of Southern California

### **Task Force D: Incentives for Innovation: Ensure that California is the Premier Place in the World to Innovate**

**Met October 19, 2006**

Invest in downstream activities such as manufacturing and marketing; and create high-paying jobs based on innovation by such actions as modernizing the patent system, realigning tax policies to encourage innovation, and ensuring affordable broadband access.

**Chair Corey Goodman**, President and CEO, Renovis, Inc.  
**Wayne Johnson**, Vice President, University Relations Worldwide, Hewlett-Packard Company  
**Regis Kelly**, Executive Director, Institute of Quantitative Biomedical Research  
**\*C. Judson King**, Director, Center for Studies in Higher Education, UCB  
**\*William F. Miller**, Professor of Public & Private Management, Emeritus, Stanford  
**Carol Mimura**, Assistant Vice Chancellor, IP and Industry Research Alliances, UCB  
**Cherry Murray**, Deputy Director for Science & Technology, Lawrence Livermore National Lab  
**Richard Newton**, Dean, College of Engineering, UCB  
**Per F. Peterson**, Professor, Department of Nuclear Energy, UCB  
**\*Karl S. Pister**, Former Vice President-Educational Outreach, University of California  
**\*George M. Scalise**, President, Semiconductor Industry Association  
**Gajus Worthington**, President, CEO & Co-founder, Fluidigm

\* Affiliated with CCST