

**CALIFORNIA STATE UNIVERSITY**  
**MATHEMATICS AND SCIENCE TEACHER SUMMIT**  
***MEETING CALIFORNIA'S CHALLENGE***  
**MARCH 2, 2006**

**AFTERNOON CONCURRENT SESSIONS ON BEST PRACTICES (1:00–2:30)**  
**STRATEGIC ACTION GROUPS (2:50–3:25)**

**Concurrent Session #1: Creating and Expanding Undergraduate and Credential Pathways**

*Examples: New blended and integrated programs, Foundational Level Math; undergraduate minors; recruiting from additional pools; expedited pathways; intensive summer programs of study*

Moderator: Patricia Arlin, Dean, College of Education, CSU San Bernardino

Facilitator: Carol Bartell, Interim Dean, College of Education, Cal Poly Pomona

Presenters include the following campus representatives:

CSU Chico: Bill Fisher, Center for Mathematics and Science Education, Jorgen Berglund, Department of Mathematics

CSU East Bay: Catherine Reed, Department of Teacher Education, Jason Singley, Department of Physics

Humboldt State University: Elizabeth Burroughs, Department of Mathematics

CSU Los Angeles: Robert Nakamura, Department of Biological Sciences

Cal Poly San Luis Obispo: Christina Bailey, Department of Chemistry and Biochemistry

**Concurrent Session #2: Community College Bridges to Math and Science Teaching Careers**

*Examples: Coordinating with community colleges in recruitment, advising, and integrated programs; involving community college students in courses, paid tutoring; combined service learning*

Moderator: Skip Meno, Dean, College of Education, San Diego State University

Facilitator: Paul Beare, Dean, College of Education, CSU Fresno

Presenters include the following campus representatives:

CSU Dominguez Hills: John McGowan, Department of Teacher Education

CSU Long Beach: Marquita Grenot-Scheyer and Dawn Person, College of Education  
Cerritos College: Sue Parsons

CSU Los Angeles: Andrea Maxie, Charter College of Education/Teacher Recruitment Project

Cal Poly Pomona: Steve Bryant, Department of Liberal Studies

San Diego State: Rafaella Santa Cruz, College of Education  
Mar Vista High School: Katrine Czajkowski

**Concurrent Session #3: Career Changers into Math and Science Teaching**

*Examples: Identifying and recruiting science and math professionals; business and industry collaboration; mid-career and pre-retirement transitions to teaching; second teaching credentials; additional career changers*

Moderator: Joan Karp, Chair, Education Programs, CSU Channel Islands

Facilitator: Ash Bishop, Dean, College of Education, CSU East Bay

Presenters include the following campus and other agency representatives:

CSU Channel Islands: Jeanne Grier, Department of Education

CSU Dominguez Hills: Kamal Hamdan, Department of Teacher Education

CSU Sacramento: Marion O’Leary, College of Science

California Space Authority: Vicky O’Connor and The Honorable Andrea Seastrand

Troops to Teachers: Robert Bartrand, California Program Director

**Concurrent Session #4: Effective Recruitment Through Comprehensive Outreach, Marketing and Communications, K-14 Partnerships, and Community Service**

*Examples: Outreach programs and partnerships that assist to recruit candidates; marketing and market research; Teacher Recruitment Projects; tutoring and community service; electronic tools for recruitment and financial aid*

Moderator: Phillip Rusche, Dean, College of Education, CSU Northridge

Facilitator: Mildred Murray-Ward, Dean, College of Education, CSU Stanislaus

Presenters include the following campus representatives:

CSU Channel Islands: Lillian Castaneda, Department of Education/Teacher Recruitment Project

CSU Chico: Cindy Phelps, Hands-On Lab (HOL) Program and Esther Laraocca, Teacher Recruitment Project

Humboldt State: Chris Hopper, College of Education, Jeffrey White, Department of Biology

CSU Los Angeles: Carlos Gutierrez, Department of Biology and Biochemistry

CSU Northridge: Jerry Nader, College of Education, Vicki Pedone, College of Science and Mathematics

CSU San Bernardino: Herbert Brunkhorst, College of Education

San Jose State University: Julie Silva and Amy Strage, Department of Child and Adolescent Development

**Concurrent Session #5: Attracting and Holding Candidates through Particular Program Features; Career Opportunities, Financial Support, and Building of Community among Candidates**

*Examples: School district internships; engaging technologies; lab and industry work experiences; scholarships and loan cancellation programs; K-12 tutoring; pre-service retention strategies*

Moderator: Susan Meyers, Dean, College of Education, San Jose State

Facilitator: Mary Gendernalik-Coopeer, Dean, College of Education, Sonoma State

Presenters include the following campus representatives:

CSU Fresno: David Andrews, College of Education

CSU Fullerton: Brenda Spencer, College of Education

Long Beach: Laura Henriques, College of Education and Los Angeles County Office of Education, Dean Gilbert, California Science Teachers Association

CSU San Bernardino: Bonnie Brunkhorst, College of Education

San Jose State: Maureen Scharberg, Science Education Program, College of Science

**Concurrent Session #6: Transforming Teacher Preparation Through Technology**

*Examples: Internet-supported learning; SLO/CalStateTEACH; integration of technology throughout preparation; utilization of state-of-the art resources—NASA, JPL, MERLOT, other high quality Web-based tools; technology-supported instructional resources for teacher preparation*

Moderator: Bonnie Konopak, Dean, College of Education, Cal Poly San Luis Obispo

Facilitator: Mark Baldwin, Dean, College of Education, CSU San Marcos

Presenters include the following campus representatives:

CSU-NASA Collaborative: Ron Hughes, Professor, CSU Bakersfield

CSU Fullerton: Vikki Costa, Chair, Department of Secondary Education

CSU Chancellor's Office: Gerry Hanley, Senior Director, Academic Technology

Cal Poly SLO: Bob Cichowski, Professor Emeritus and Director, Center for Excellence in Math and Science Education

CalStateTEACH: Helene Mandell, Director

**Concurrent Session #7: K-18 Articulated Pathways and Partnerships**

*Examples: Integrating teaching careers in math and science outreach efforts; recruiting future teachers through partnerships with high need districts; high school-community college/4-year campus articulated pathways; building key partnerships*

Moderator: Dave Jolly, California Academic Partnership Program, CSU Office of the Chancellor

Facilitator: Ed Landesman, Intersegmental Relations UC Office of the President

Presenters include the following campus and other agency representatives:

California Academic Partnership Program: Ed Landesman, UC Office of the President

California Community Colleges Chancellor's Office: Steve Bruckman, Executive Vice-Chancellor and General Counsel

California Department of Education: Phil La Fontaine, Professional Development and Curriculum Support Division

CSU Long Beach: Jean Houck, Dean, College of Education

Santa Cruz County Office of Education: Diane Siri, Superintendent

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**Strategic Action Group #1: Aligning Educational Systems**

Facilitators: Margaret Gaston, Executive Director, Center for the Future of Teaching and Learning  
Steve Bruckman, Executive Vice Chancellor and General Counsel, California Community Colleges Chancellor's Office

**Strategic Action Group #2: Partnerships with Business and Industry**

Facilitators: Susan Hackwood, Executive Director, California Council on Science and Technology  
Barbara Ross, Manager, Strategic Relations, Apple Computer, Inc.

**Strategic Action Group #3: State-of-the-Art Technologies and Instructional Resources**

Facilitators: David Seidel, Manager, Pre-College Education Programs, Jet Propulsion Laboratory, Gerry Hanley, Senior Director, Academic Technology Resources, California State University, Office of the Chancellor