

# MAKING CALIFORNIA'S POLICIES STRONGER WITH SCIENCE FOR 30 YEARS



**CCST**  
CALIFORNIA COUNCIL ON  
SCIENCE & TECHNOLOGY

**2018 ANNUAL REPORT**

# MESSAGE FROM THE CCST BOARD CHAIR



CCST is a unique organization that embodies many of the qualities that make California a global leader. We represent a partnership of world-class institutions which works to inform State policy making through non-partisan evaluation and discussion of science and technology related issues. CCST enables California's leaders to leverage the expertise of our excellent universities and Federal research facilities in the pursuit of informing policies that benefit all Californians. It's California's investment in knowledge and talent that has set the state apart for so many years, and is the foundation of its continued leadership going forward.

I'm proud and honored to have been named Chair of CCST's Board of Directors. I've been involved with CCST for over a decade, and understand the value of CCST convening California's remarkable network of experts to provide our services to policy makers. I'm grateful that CCST has received such strong support from California's philanthropic community, especially as we have expanded our services over the past decade with programs such as the CCST Science & Technology Policy Fellows.

As we complete thirty years of service to California, CCST has much to be proud of. I look forward to working with our staff, network of science and technology experts and our philanthropy leaders as we build upon CCST's legacy of timely, objective science advice to the State -- an investment ensuring California's policies are stronger with science.

– PETER COWHEY, PhD  
DEAN of UC SAN DIEGO  
SCHOOL OF GLOBAL POLICY AND STRATEGY

## CELEBRATING 10 YEARS OF SCIENCE FELLOWS - THANKS TO HUNDREDS OF LOYAL SUPPORTERS. A SPECIAL THANKS TO OUR MAJOR PARTNERS:

- |  |                              |                                      |                            |
|--|------------------------------|--------------------------------------|----------------------------|
| Gordon and Betty Moore Foundation              | Ralph M. Parsons Foundation  | WHH Foundation                       | Burton and Deedee McMurtry |
| Heising-Simons Foundation                      | San Francisco Foundation     | William and Flora Hewlett Foundation | Bill Rutter                |
| James and Rebecca Morgan Charitable Foundation | S.D. Bechtel, Jr. Foundation | Bruce and Betty Alberts              | Buzz Wooley                |
| Kingfisher                                     | Simons Foundation            | Corey Goodman                        |                            |
| Koshland Foundation                            | Stuart Foundation            | Charles Harper                       |                            |
|  | TOSA Family Foundation       | Irwin and Joan Jacobs                |                            |
|  |                              | Charlie Kennel                       |                            |

# CCST DELIVERS “SCIENCE AT YOUR SERVICE”

## EXPERT BRIEFINGS



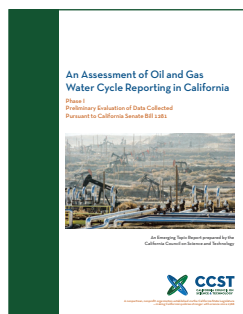
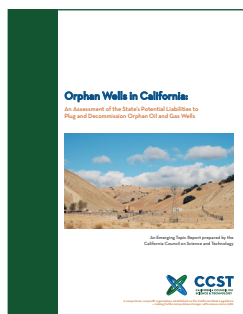
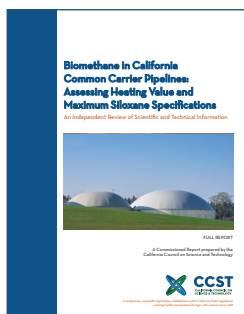
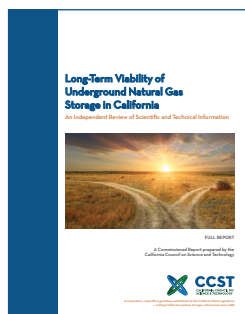
Carlos Ayala, PhD (CSU Sonoma) participates in a briefing on the Maker Movement in Higher Education.

## CONNECTING EXPERTS



2017 Physics Nobel Prize recipient Barry Barish, PhD (Caltech) speaks with Assemblymember Jose Medina (D-Riverside).

## PEER-REVIEWED REPORTS



## 2018 CCST SCIENCE & TECHNOLOGY WEEK



Secretary of State, Alex Padilla, accepts a CCST Leadership Award in Public Service.



Assemblymember Jose Medina kicks off the CCST Science Translator Showcase, featuring PhD students from our partner institutions.



Council Chair Jim Sweeney congratulates Assemblymember Jay Obernolte (R-Hesperia) on his CCST Leadership Award for Frontiers in Technology Policy.

# ...MAKING CALIFORNIA'S POLICIES STRONGER WITH SCIENCE.



# CCST TRAINS SCIENTISTS TO BE POLICY SAVVY...



Back Row, Left to Right: Jeff Song, Keith Cialino, Magdalena Gutowska, Dylan Chapple, Teresa Feo  
Front Row, Left to Right: Chris Francis, Naomi Ondrasek, Amy Gilson, Monica Montano, Sandra Nakagawa



“The more the policy I am voting on is rooted in science, the better policy it’s going to be.”

— Senator Nancy Skinner (D - Berkeley),  
recipient of CCST Leadership Award for  
Science in Policy Mentorship



Alumni facilitate a mock hearing for Science Fellows during training ‘bootcamp.’



2017 Science Fellow Alumni reconnect at 30th Anniversary celebration.

## ... SO THAT SCIENCE HAS A SEAT AT THE TABLE.

# CCST SCIENCE FELLOWS WORK ON A VARIETY OF POLICIES...



## ENERGY AND ENVIRONMENT

Clean energy  
technologies  
Climate change  
and adaptation  
Earthquake  
early-warning  
Electric vehicles  
Habitat  
restoration  
Oil and gas  
technologies  
Waste  
management  
Water quality  
and supply



## HUMAN SERVICES

Adoption  
and foster care  
Affordable  
housing  
Aging and  
long-term care  
Autism  
services  
Homelessness  
Medicaid and  
Social Security  
Reentry and  
job training  
Veterans issues



## EDUCATION

Community  
colleges  
Digitally enhanced  
education  
Education  
funding  
Higher  
education  
School nutrition  
Standardized  
testing  
STEM-ready  
workforce  
Innovations  
in teaching



## HEALTH CARE

Alzheimer's  
disease  
Genetic  
testing  
Healthcare  
disparities  
New medical  
devices  
Medical  
professions  
Organ donation  
and transplant  
Smoking and  
e-cigarettes  
Vaccinations

## FELLOWS ADVISORY COMMITTEE

Comprised of business, science and philanthropy leaders from around the country, the Fellows Advisory Committee is a formidable liaison for the Science Fellows Program to science and technology philanthropy leaders.

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WHH FOUNDATION

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**Mary Maxon**  
LAWRENCE BERKELEY NATIONAL LAB

**Dharia McGrew**  
CALIFORNIA DENTAL ASSOCIATION  
2012 CCST SCIENCE FELLOW

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USC SCHWARZENEGGER INSTITUTE

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MARTS & LUNDY

**Michael Rodemeyer**  
SCIENCE AND TECHNOLOGY  
POLICY EXPERT

**Albert Teich**  
AAAS

**Julie Meier Wright**  
SAN DIEGO REDC (RETIRED)

## ... AFFECTING ALL CALIFORNIANS.

# CCST CONVENES WORLD CLASS EXPERTS...

## OUR PARTNERS



California  
Community  
Colleges

Stanford  
University



The California  
State University

Caltech



Lawrence Livermore  
National Laboratory



Sandia  
National  
Laboratories



NATIONAL  
ACCELERATOR  
LABORATORY

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UC San Diego

### COUNCIL CHAIR

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### COUNCIL VICE CHAIR

Judith Swain, MD  
Physiowave, Inc.

Amber Mace, PhD

CCST Interim  
Executive Director



### BOARD CHAIR EMERITUS

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Scripps Institute

Susan Hackwood, PhD

Outgoing CCST  
Executive Director

For a full roster of CCST Board, Council, and Staff visit [ccst.us](http://ccst.us)

# ...PROVIDING INDEPENDENT ADVICE TO DECISION MAKERS WHEN THEY NEED IT.

# ABOUT CCST

CCST is a 501(c)(3) nonprofit governed by a Board of Directors. OUR MISSION is to engage leading experts in science and technology to advise State policymakers – ensuring that California policy is strengthened and informed by scientific knowledge, research, and innovation.

## BOARD OF DIRECTORS

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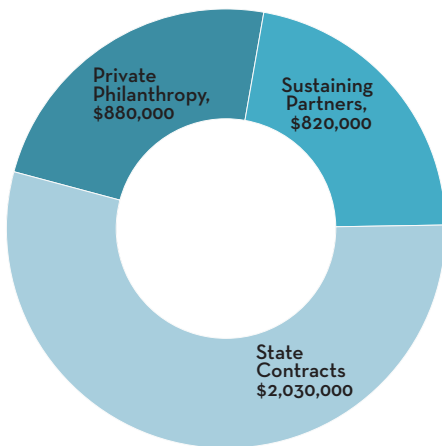
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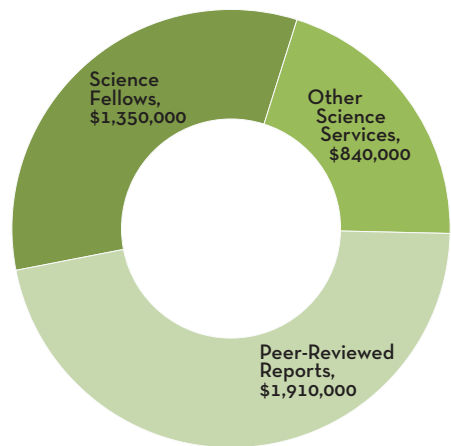


## FINANCIAL ACTIVITIES

2017 REVENUES



2017 EXPENSES



Full financial statements, audited annually by Teaman, Ramirez and Smith Inc., are available upon request. Contact Donna King, [donna@ccst.us](mailto:donna@ccst.us). CCST receives financial support from our partners, the State, and private philanthropists.



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# CCST CONNECTS SCIENCE WITH PHILANTHROPY...



CCST Sr. Fellow, Nobel Laureate Steven Chu, PhD (right) joins Amber Mace at a Science & Policy Discussion in Palo Alto featuring 2012 CCST Science Fellows Alumni Ben Rubin and Erika Bustamante.



Amber Mace, Tania Simoncelli (Director of Science Policy at the Chan Zuckerberg Initiative), and Pat Callahan (CCST Director of Philanthropy).



2018 CCST Science Fellows Teresa Feo and Keith Cialino chat with Bernadette Glenn (Executive Director of the WHH Foundation) at the Gordon and Betty Moore Foundation.



Harvey Fineberg, MD, President of the Gordon and Betty Moore Foundation, shoots a scene for CCST's Science Fellows Video.



UC President Janet Napolitano, Senator Ben Allen (D-Santa Monica), Secretary John Laird (California Natural Resources Agency), and Rob Oglesby (CCST Council Member) celebrate CCST's 30th Anniversary at the Exploratorium.



Charles Harper (CCST Board Member), Amber Mace, and David Martin (CCST Senior Fellow) enjoy the view at the Fisher Bay Observatory Gallery during CCST's 30th Anniversary VIP reception.

## ...FOR MAXIMUM IMPACT.