



## 70<sup>th</sup> Anniversary Symposium

### AGENDA

#### Thursday, February 6: Past and Present

- 9:00 – 9:30 a.m. **France Córdoba**, Director of the National Science Foundation (NSF)
- 9:30 – 10:15 a.m. **Gregg Pascal Zachary**, Vannevar Bush Biographer & Professor, Arizona State University  
Presentation on Vannevar Bush's life and the history of his famous report *Science—the Endless Frontier* (15-minute Q&A period)
- 10:15 – 11:00 a.m. **Emily Gibson**, NSF Science Policy Analyst, Historian of Science & Technology  
Presentation on forthcoming NSF history book (15-minute Q&A period)
- 11:00 – 11:30 a.m. **Interactive History Session**  
This panel will feature an interactive history presentation that may include video and an interactive quiz/poll session requiring audience participation.  
*Moderated by Diane Souvaine, National Science Board (NSB) Chair & Professor, Tufts University*
- 11:30 – 12:30 p.m. **Break for Lunch**
- 12:30 – 2:00 p.m. **A Conversation with Past and Present NSF Directors**  
Dr. Córdoba will join past NSF Directors in a conversation about the agency's past, present, and future.
- |                              |                                |
|------------------------------|--------------------------------|
| <i>Moderator:</i>            | France Córdoba (2014 – 2020)   |
| <i>Former NSF Directors:</i> | Subra Suresh (2010 – 2013)     |
|                              | Arden Bement (2004 – 2010)     |
|                              | Rita Colwell (1998 – 2004)     |
|                              | Neal Lane (1993 – 1998)        |
|                              | Walter Massey (1991 – 1993)    |
|                              | Richard Atkinson (1977 – 1980) |
- 2:00 – 2:15 p.m. **Coffee Break**



Thursday, February 6, continued

2:15 – 3:45 p.m.

**Science Breakthroughs**

Panel featuring NSF-funded science breakthroughs from the last decade. The topics covered in this panel will feature a mix of major breakthroughs, as well as research that has led to significant impacts on society. In addition, the panelists will be a diverse set of researchers, including those earlier in their careers.

*Moderator:* Amy Harmon, Correspondent, New York Times

*Panelists:* Jennifer Dionne, 2019 Waterman Award recipient & Associate Professor, Stanford University  
Shep Doleman, 2019 Breakthrough Prize & NSF Diamond Award recipient & Director, EHT at Harvard-Smithsonian Center for Astrophysics  
Margaret Leinen, Director, Scripps Institute & Vice Chancellor & Dean, Marine Sciences  
Nergis Mavalvala, Professor & Associate Head, Department of Physics, MIT  
Alvin Roth, Nobel Prize in Economics 2012 & Professor of Economics, Stanford University

3:45 – 4:45 p.m.

**Partnerships to Address National Priorities**

Panelists will discuss the importance of forming partnerships to address national priorities, focusing on the following topics: quantum, AI, and the Future of Work. These topics tie into several the NSF 10 Big Ideas, as well as the NSF's focus on the development of the skilled technical workforce

*Moderator:* Michael Kratsios, Chief Technology Officer of the U.S., White House

*Panelists:* Robert Conn, President and CEO, The Kavli Foundation  
Walter Copan, Director, NIST & Under Secretary of Commerce for Standards and Technology  
Paul Dabbar, Under Secretary for Science, U.S. Department of Energy  
Suresh Garimella, President, University of Vermont & NSF Member  
Marcia McNutt, President, National Academy of Sciences  
Prem Natarajan, Vice President, Alexa AI, Amazon

4:45 – 5:15 p.m.

**Kelvin Droegemeier**, Director, Office of Science and Technology Policy, White House  
Dr. Droegemeier will speak on the current place of NSF and the American scientific enterprise and close with a look to the future.

5:15 p.m.

**End of Symposium (Day one)**



## 70<sup>th</sup> Anniversary Symposium, Day Two

### Friday, February 7: A Look to the Future

9:00 – 10:00 a.m. **Big Ideas Fireside Chat**

The session will feature a dynamic speaker able to discuss the concept behind the 10 Big Ideas collectively, followed by 10-15 min of a panel discussion, leaving time at the end for questions from the audience.

*Moderator:* Arthur “Skip” Lupia, Assistant Director for SBE, NSF

*Speakers:* Vicki Chandler, Dean of Faculty, Minerva Schools at KGI & NSB Member  
Fleming Crim, Chief Operating Officer, NSF  
Rebecca Keiser, Office Head, OISE, NSF  
Juan Meza, Division Director, MPS/DMS, NSF

10:00 – 10:15 a.m. **Coffee Break**

10:15 – 11:15 a.m. **Industries of the Future: What will they look like? How do we prepare for them?**

Industry and business leaders will discuss the importance of scientific advancements in ensuring national economic and industrial competitiveness. They will also describe the role of NSF in their company/industry and the value of federal support for science. Finally, they will address challenges and strategies for the future.

*Moderator:* Joe Palca, Science Correspondent, National Public Radio

*Panelists:* Reza Ghanadan, Head of Public Sector AI R&D, Google  
Dario Gil, Director of Research, IBM  
Maira Gunn, Host, Tech Nation Radio & Professor, University of San Francisco  
Katharine Ku, Chief Licensing Advisor, Technology Transactions, Wilson Sonsini  
Lynne Parker, Deputy Chief Technology Officer, Office of Science and  
Technology Policy, White House  
Deborah Wince-Smith, President and CEO, Council on Competitiveness

11:15 – 12:00 p.m. **National Science Board 2030 Visioning Panel**

The NSB will preview its *Vision 2030* report and its underlying motivation.

*Moderator:* Diane Souvaine, NSB Chair & Professor, Tufts University

*Panelists:* Roger Beachy, NSB Vision 2030 Task Force Chair & Professor Emeritus of  
Biology, Washington University, St. Louis  
Ellen Ochoa, NSB Vice Chair & Astronaut and former Director, Lyndon B.  
Johnson Space Center

12:00 p.m. **End of Symposium**