With Appreciation . . .

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From the President

Advancing knowledge and learning in service to the nation has been the mission of the Academy since its founding in 1780. Through the study of social and scientific problems and opportunities, the Academy provides critical thinking on the most pressing challenges facing the country and the world.

As you will see in the pages that follow, the Academy is exploring issues from the future of undergraduate education, to the nation’s language education needs, to the governance of the nuclear nonproliferation treaty regime, to the new ethical dilemmas created by contemporary political developments and changes in military technology, to the complex and evolving relationship between scientists and the public, to the importance of federally supported basic research that is critical for driving innovation and ensuring economic opportunities. These studies draw on the intellectual resources of hundreds of our members and involve many collaborating organizations – both national and international. Our work engages members and other experts from diverse professions and disciplines and brings them together to address critical issues facing our global society.

We are grateful to the many members who contribute to and participate in the Academy’s projects, publications, and programs. This support gives the Academy the independence to pursue important issues that advance the common good. None of this work would be possible without the efforts of a talented and dedicated staff.

As always, I welcome your questions about the Academy and suggestions for its future.
Academy projects in Science, Engineering, and Technology advance critical thinking about the evolving landscape for scientific research. Drawing on the expertise of leading scientists, policy-makers, social scientists, humanists, and technical experts from both academia and industry, the studies explore how science and technology are changing, how to help the public understand those changes, and how society can better adapt to those changes. Areas of interest include the nation’s productivity in science and technology; the social and regulatory factors that influence the adoption of new technologies; and public understanding of, and trust in, science.

**New Models for U.S. Science & Technology Policy**

In September 2014, the New Models for U.S. Science and Technology Policy commission issued its report, *Restoring the Foundation: The Vital Role of Research in Preserving the American Dream*. The report underscored the importance of federally supported research, particularly basic research, that is critical for driving innovation and ensuring economic opportunities. The report also called for long-term planning and sustainability for the nation’s research enterprise.

In today’s fast-paced, high-tech, knowledge-based economy, staying globally competitive requires innovation and rapid integration of new knowledge and technologies that emerge from investments in research and development. The *Restoring the Foundation* report and subsequent follow-up efforts urged a greater focus on the long-term sustainability of the U.S. research enterprise and offered recommendations in three areas that will be critical for securing America’s leadership in science, engineering, and technology in the twenty-first century:

- **Secure America’s Leadership in Science and Engineering Research – Especially Basic Research – by Providing Sustainable Federal Investments.** America is falling behind in innovation by failing to make sustainable long-term investments needed to remain the global leader in industry and commerce.
- **Ensure that the American People Receive the Maximum Benefit from Federal Investments in Research.** Many current policies and practices in government, industry, and universities have become overly burdensome and diminish the productivity of the research system.
- **Regain America’s Standing as an Innovation Leader by Establishing a More Robust National Government-University-Industry Research Partnership.** The United States is in need of a new kind of research partnership that includes government (federal and state), universities (public and private), and industry, as well as philanthropy and private foundations, in which each sector supports the nation’s science and technology research enterprise.

Several initiatives have emerged in response to *Restoring the Foundation*. In June 2015, the Academy joined with a coalition of organizations in issuing “Innovation: An American Imperative,” a statement in support of several of the report’s key recommendations. The leaders of nine large U.S. corporations signed the call to action, which urged Congress to enact policies and make investments to ensure that the United States remains the global innovation leader. Over five hundred organizations from all fifty states have endorsed the call to action.

In October 2015, members of the Innovation Imperative coalition held a public symposium on Capitol Hill, at which industry leaders discussed federal policies and investments that would promote innovation, stimulate economic growth and prosperity, and ensure the country’s health and national security. In January 2016, a bipartisan group of members from both houses of Congress sent a letter to their colleagues that underscored the importance of several policy prescriptions set forth in the *Restoring the Foundation* report and reaffirmed by the Innovation Imperative call to action.

Most recently, Jeannette M. Wing, Corporate Vice President at Microsoft Research, delivered testimony on *Restoring the Foundation* before the Senate Committee on Commerce, Science, and Transportation to further elevate the profile of the report’s recommendations for enhancing the U.S. research enterprise. The Commerce Committee subsequently approved legislation that addresses several of the report’s recommendations, including affirming the value of peer review and reducing administrative burdens on researchers.

The Academy continues to work with other organizations to raise the profile of science and engineering research.
New Models for U.S. Science & Technology Policy

Project Chairs

NORMAN R. AUGUSTINE
Lockheed Martin Corporation, ret.

NEAL LANE
Rice University

Project Members

NANCY C. ANDREWS
Duke University School of Medicine

JOHN E. BRYSON
formerly, U.S. Department of Commerce; formerly, Edison International

THOMAS R. CECH
University of Colorado Boulder; formerly, Howard Hughes Medical Institute

STEVEN CHU
Stanford University; formerly, U.S. Department of Energy

JARED COHON
Carnegie Mellon University

JAMES J. DUDERSTADT
University of Michigan

MARK C. FISHMAN
Novartis Institutes for BioMedical Research

SYLVESTER JAMES GATES, JR.
University of Maryland

BART GORDON
K&L Gates; formerly, U.S. House of Representatives

M.R.C. GREENWOOD
University of Hawaii System, ret.

JOHN L. HENNESSY
Stanford University

CHARLES O. HOLLIDAY, JR.
Shell; formerly, Bank of America; formerly, E. I. du Pont de Nemours and Company

PETER S. KIM
Stanford University; formerly, Merck Research Laboratories

DANA MEAD
MIT Corporation

RICHARD A. MESERVE
Covington & Burling LLP; formerly, Carnegie Institution for Science

C. D. MOTE, JR.
National Academy of Engineering; University of Maryland

VENKATESH NARAYANAMURTI
Harvard University

MAXINE L. SAVITZ
Honeywell Inc., ret.

ROBERT F. SPROULL
University of Massachusetts, Amherst; formerly, Oracle Corporation

SUBRA SURESH
Carnegie Mellon University

SHIRLEY M. TILGHMAN
Princeton University

JEANNETTE M. WING
Microsoft Research

ELIAS ZERHOUNI
Sanofi

Project Advisors

JOHN C. CROWLEY
Charlottesville, VA

KIRSTIN MATTHEWS
Rice University

Project Staff

JOHN RANDELL

SHALIN JYOTISHI

ALISON LEAF

KEERTHI SHETTY

Funders

Louise Henry Bryson and John E. Bryson

John D. and Catherine T. MacArthur Foundation

Gordon and Betty Moore Foundation

Simons Foundation

Alfred P. Sloan Foundation

Publication

Restoring the Foundation: The Vital Role of Research in Preserving the American Dream (American Academy of Arts and Sciences, 2014)
Project Meetings and Workshops

Public Symposium on Innovation: An American Imperative

October 20, 2015
Washington, D.C.

Speakers

LAMAR ALEXANDER
U.S. Senate

NORMAN R. AUGUSTINE
Lockheed Martin Corporation, ret.

CHRISTOPHER COONS
U.S. Senate

JOHN D. EVANS
Lockheed Martin Corporation

RANDY HULTGREN
U.S. House of Representatives

ROGER M. PERLMUTTER
Merck & Co., Inc.; Merck Research Laboratories

GARY PETERS
U.S. Senate

JEANNETTE M. WING
Microsoft Research

Jeannette M. Wing (Microsoft Research) presents Restoring the Foundation’s recommendations at a hearing on May 11, 2016, of the U.S. Senate Committee on Commerce, Science, and Transportation.

John D. Evans (Lockheed Martin Corporation), Roger M. Perlmutter (Merck & Co., Inc.; Merck Research Laboratories), Jeannette M. Wing (Microsoft Research), and Norman R. Augustine (Lockheed Martin Corporation, ret.)
The Public Face of Science

The Public Face of Science initiative engages a broad range of experts in communication, law, humanities, the arts, journalism, public affairs, and the physical, social, and life sciences. The initiative is addressing various aspects of the complex and evolving relationship between scientists and the public, including:

1) **Trust and Perception**: The project will study how individual beliefs and scientific comprehension affect the perception of and trust in the scientific process, including:
   i) How scientific discourse, disputes, and consensus are portrayed in the media;
   ii) To what extent the public has confidence in the self-correcting nature of science; and
   iii) How journalistic practices could be refined to better convey the incremental and iterative process of scientific research.

2) **Public and Media Engagement**: The Academy will organize conversations with members around the country to examine how the public’s understanding of, and trust in, science has varied historically among scientific fields, and to encourage and equip members to engage more closely with nonscientific audiences. The project staff will also maintain an extensive website that conveys the project work to both the public and the media. Additionally, building on the Academy’s publication *Science and the Media* (2010), the project will organize a series of discussions with science journalists in Boston and across the country to examine the role of the media (including new outlets such as social, digital, and local media) in shaping the public’s perception of how scientists work, think, collaborate, and debate.

3) **Informing Policy and Action**: To complement the activities described above, the Academy will undertake a series of short-term (12 – 18 month) studies examining how scientists are consulted during public decision-making processes. Examples include court decisions, the development of educational standards, and responses to natural disasters, disease outbreaks, and climate change.

While this project will not directly address scientific literacy in K-12 and adult education, it will inform such efforts by fostering a greater understanding of the public’s attitude toward science. Accordingly, throughout this initiative the Academy will seek opportunities to partner with radio and television producers to create programming that conveys key findings to public audiences.

**Project Chairs**

RICHARD MESERVE
Covington & Burling LLP; formerly, Carnegie Institution for Science

GENEVA OVERHOLSER
The Democracy Fund; formerly, USC Annenberg School for Communication and Journalism

**Project Members**

EMILIO BIZZI
Massachusetts Institute of Technology

GEOFFREY COWAN
University of Southern California

ELLEN FUTTER
American Museum of Natural History

SYLVESTER JAMES GATES, JR.
University of Maryland; President’s Council of Advisors on Science and Technology

ROBERT HAUSER
National Research Council; University of Wisconsin-Madison

RUSH D. HOLT, JR.
American Association for the Advancement of Science

KATHLEEN HALL JAMIESON
University of Pennsylvania

VENKATESH NARAYANAMURTI
Harvard University

NORA NEWCOMBE
Temple University

KENNETH PREWITT
Columbia University

REBECCA RIMEL
Pew Charitable Trusts

CRISTIÁN SAMPER
Wildlife Conservation Society

SAMUEL THIER
Harvard Medical School; Massachusetts General Hospital

**Project Staff**

JOHN RANDELL

SHALIN JYOTISHI

ALISON LEAF

KEERTHI SHETTY

**Funders**

Rita Allen Foundation

Gordon and Betty Moore Foundation
Project Meetings and Workshops

Regional Roundtable

October 5, 2015
Philadelphia, PA

Speakers
KATHLEEN HALL JAMIESON
University of Pennsylvania
ALAN KRUEGER
Princeton University
NORA NEWCOMBE
Temple University
JEAN-MICHEL RABATÉ
University of Pennsylvania
ROGERS SMITH
University of Pennsylvania
LAURENCE STEINBERG
Temple University

MIT Knight Science Journalism Roundtable Discussion

December 3, 2015
American Academy
Cambridge, MA

Speakers
DEBORAH BLUM
MIT Knight Science Journalism Program
BARBARA KATES-GARNICK
Tufts University; formerly, Executive Office of Energy and Environmental Affairs, Commonwealth of Massachusetts

Regional Roundtable

January 25, 2016
Yale University
New Haven, CT

Speakers
MARGARET CLARK
Yale University
STEVEN GIRVIN
Yale University
GENEVA OVERHOLSER
Democracy Fund; formerly, USC Annenberg School for Communication and Journalism
JOSEPH ROACH
Yale University
FRANCES ROSENBLUTH
Yale University
PETER SALOVEY
Yale University
IAN SHAPIRO
Yale University

Discussion with Academy Members

February 1, 2016
University of California, San Francisco
San Francisco, CA

Speakers
BRUCE ALBERTS
University of California, San Francisco
KEITH YAMAMOTO
University of California, San Francisco
Project Meetings and Workshops

Discussion with Academy Members

February 4, 2016
California Institute of Technology
Pasadena, CA

Speakers
DON RANDEL
American Academy of Arts and Sciences
THOMAS F. ROSENBAUM
California Institute of Technology

Regional Roundtable

March 25, 2016
University of Pennsylvania
Philadelphia, PA

Speakers
MARTHA FARAH
University of Pennsylvania
KATHLEEN HALL JAMIESON
University of Pennsylvania
DAN KAHAN
Yale Law School; University of Pennsylvania
NORA NEWCOMBE
Temple University

Workshop on Exploring Determinants of Public Trust in Science

June 27 – 28, 2016
American Academy
Cambridge, MA

The Academy convened experts in communication, public opinion, journalism, and the natural and social sciences to explore questions surrounding public perceptions of scientific research, including trends in the public’s attitudes toward science; concerns about the practice and portrayal of research within the scientific community; and how politics, ideology, social groups, and emerging sources of scientific information influence reactions to new scientific discoveries.

Participants

PAULA APSELL
WGBH Boston
PAM BELLUCK
The New York Times
EDWARD BENZ
Dana-Farber Cancer Institute; Harvard Medical School
EMILIO BIZZI
Massachusetts Institute of Technology
RICK BORCHELT
U.S. Department of Energy
MICHAEL CACCIATORE
University of Georgia
ELIZABETH CHRISTOPHERSON
The Rita Allen Foundation
JANET COFFEY
The Gordon and Betty Moore Foundation
DAVID CONDON
NOVA Labs
GEOFFREY COWAN
University of Southern California
JEFF DEAN
Harvard University Press
JOHN DURANT
Massachusetts Institute of Technology
JONATHAN F. FANTON
American Academy of Arts and Sciences
CARY FUNK
Pew Research Center
GORDON GAUCHAT
University of Wisconsin-Milwaukee

DAVID GOLDSTON
Natural Resources Defense Council
ROBERT M. HAUSER
National Research Council; University of Wisconsin-Madison
DAVID HECHT
Bowdoin College
DAVID J. HELFAND
Columbia University
RUSH D. HOLT, JR.
American Association for the Advancement of Science
KATHLEEN HALL JAMIESON
Annenberg Public Policy Center; University of Pennsylvania
SHALIN JYOTISHI
American Academy of Arts and Sciences
Project Meetings and Workshops

Workshop on Exploring Determinants of Public Trust in Science, continued

DAN KAHAN
Yale University

MAGGIE KOERTH-BAKER
FiveThirtyEight

MARTIN LAMONICA
The Conversation US

ALISON LEAF
American Academy of Arts and Sciences

ANTHONY LEISEROWITZ
Yale University

ALAN LESHNER
formerly, American Association for the Advancement of Science

TIFFANY LOHWATER
American Association for the Advancement of Science

ARTHUR LUPIA
University of Michigan

CORA MARRETT
formerly, National Science Foundation

JERROLD MEINWALD
Cornell University

RICHARD A. MESERVE
Covington & Burling LLP; formerly, Carnegie Institution for Science

SETH MNOOKIN
Massachusetts Institute of Technology

VENKATESH NARAYANAMURTI
Harvard University

MATTHEW NISBET
Northeastern University

BRENDAN NYHAN
Dartmouth College

GENEVA OVERHOLSER
The Democracy Fund; formerly, USC Annenberg School for Communication and Journalism

KENNETH PREWITT
Columbia University

JOHN RANDELL
American Academy of Arts and Sciences

REBECCA W. RIMEL
The Pew Charitable Trusts

CRISTIÁN SAMPER
Wildlife Conservation Society

DIETRAM A. SCHEUFELE
University of Wisconsin-Madison

KEERTHI SHETTY
American Academy of Arts and Sciences

CATHERINE SNOW
Harvard Graduate School of Education

SAMUEL O. THIER
Harvard Medical School; Massachusetts General Hospital

MAGGIE VILLIGER
The Conversation US

CHRIS VOLPE
ScienceCounts

DORON WEBER
Alfred P. Sloan Foundation

MARY WOOLLEY
Research!America

Cora Marrett (formerly, National Science Foundation), Geneva Overholser (The Democracy Fund; formerly, USC Annenberg School for Communication and Journalism), and Geoffrey Cowan (University of Southern California)
Human Performance Enhancement

Human performance enhancement (HPE) is not a novel concept – since the ancient civilizations, we have been enhancing ourselves cosmetically and cognitively. However, with the advent of technology, the types of enhancement are changing, allowing for additional questions regarding not only the science but also the ethics and regulatory framework behind these enhancement devices to arise.

The American Academy convened an exploratory workshop to analyze the current state of the field of HPE and develop a research agenda for a larger, multiyear project to be funded and conducted by other institutions. On January 21 – 22, 2016, the Academy convened leaders from a diverse range of academic disciplines – including neuroscience, social science, law, history, and ethics – alongside military and industry experts to review and analyze the current state of research and public discourse on human performance enhancement and identify emerging issues that require further attention from scholars and policy-makers. The symposium also explored the impact of HPE techniques on human identity and society, including whether and how one should regulate emotional, personality, and moral qualities as well as the potential for expanded use of both implantable and noninvasive devices across all sectors of society: in academia, the workplace, and the military.

Project Chair
STEVEN HYMAN
Broad Institute of MIT and Harvard; Harvard University

Project Staff
JOHN RANDELL
SHALIN JYOTISHI
KEERTHI SHETTY

Funder
Richard Lounsbery Foundation

Project Meetings and Workshops

Pre-Workshop Planning Meeting

July 1, 2016
American Academy
Cambridge, MA

The purpose of this pre-workshop meeting was to identify areas in which the field of human performance enhancement could be further explored and to organize a structure for a larger, multi-day symposium.

Participants

PHILLIP ALVELDA
Defense Advanced Research Projects Agency

JESSE H. AUSUBEL
Richard Lounsbery Foundation; The Rockefeller University

ZACKORY BURNS
American Academy of Arts and Sciences

DAVID EPSTEIN
ProPublica; formerly, Sports Illustrated

MARTHA FARAH
University of Pennsylvania

NITA FARAHANY
Duke Law School; Presidential Commission for the Study of Bioethical Issues

ITZHAK FRIED
University of California, Los Angeles

HENRY GREELY
Stanford University

STEVEN HYMAN
Broad Institute of MIT and Harvard; Harvard University

JOHN RANDELL
American Academy of Arts and Sciences

MICHAEL ZUPAN
United States Air Force Academy
Project Meetings and Workshops

Human Performance Enhancement Project Workshop

January 21–22, 2016
American Academy
Cambridge, MA

At this meeting, workshop participants explored the ethical, philosophical, regulatory, and economic ramifications of the technologies and practices that could enhance human performance, including cognitive performance. The group also identified questions that could be addressed in a longer term study.

Participants

JESSE H. AUSUBEL
Richard Lounsbery Foundation; The Rockefeller University

MICHAEL BESS
Vanderbilt University

PATRICIA CHURCHLAND
University of California, San Diego

I. GLENN COHEN
Harvard Law School

ROI COHEN KADOSH
University of Oxford

ALAN CURRY
The Rockefeller University

DAVID F. EPSTEIN
U.S. Department of Defense

DAVID J. EPSTEIN
ProPublica; formerly, Sports Illustrated

JONATHAN F. FANTON
American Academy of Arts & Sciences

MARTHA FARAH
University of Pennsylvania

DEBORAH FELTZ
Michigan State University

RICHARD B. FREEMAN
Harvard University

ITZHAK FRIED
University of California, Los Angeles

SARA GOERING
University of Washington

C. SHAWN GREEN
University of Wisconsin-Madison

LEIGH HOCHBERG
Massachusetts General Hospital; Brown University; Harvard Medical School; Providence VA Medical Center

STEVEN HYMAN
Broad Institute of MIT and Harvard; Harvard University

MICHAEL JOYNER
Mayo Clinic

SHALIN JYOTISHI
American Academy of Arts and Sciences

MICHAEL KAHANA
University of Pennsylvania

ADAM KOLBER
Brooklyn Law School

DOROTHY KOVEAL
American Academy of Arts and Sciences

ALISON LEAF
American Academy of Arts and Sciences

HARRIS R. LIEBERMAN
U.S. Army Research Institute of Environmental Medicine

Karen Rommelfanger (Emory School of Medicine), Anna Wexler (Massachusetts Institute of Technology; University of Pennsylvania), and Michael Posner (University of Oregon; Weill Cornell Medical College)

Steven Hyman (Broad Institute of MIT and Harvard; Harvard University)
The Alternative Energy Future

Extensive studies of energy and climate have concluded that the energy system in the United States must undergo a substantial transformation to address economic, environmental, and geopolitical challenges. As this transformation takes place, both individuals and public- and private-sector institutions will need to adapt to the profound societal change that will accompany the adoption of new energy technologies. The Alternative Energy Future project is developing a cohesive understanding of the legal, social, and economic factors that can either inhibit or facilitate transformative change in the U.S. energy system. The project is focused on the following two goals: 1) to demonstrate the value of social science in designing and adopting innovations in the physical energy system; and 2) to create a research program aimed at understanding how governing institutions and policy design must adapt to the demands of a changing energy infrastructure.

To begin to address the first goal, the Academy published the 2011 report Beyond Technology: Strengthening Energy Policy through Social Science, which outlined the value of social science and recommended strategies for enhancing collaboration between social scientists and policy-makers. To follow up on these recommendations, the Academy convened a two-day workshop in Washington, D.C., on December 3–4, 2015, in collaboration with the U.S. Department of Energy and the Association for Psychological Science to examine progress made since Beyond Technology in incorporating social science research in government programs and areas for further improvement. The recommendations from this workshop will be summarized in an upcoming Academy publication.

The Academy continues to focus on the second project goal: to better understand how governing institutions and policy design must adapt to the demands of a changing energy infrastructure. To address this goal, the Academy is undertaking a two-year research project to better understand the design attributes that contribute to policy durability and flexibility, using the Clean Air Act (CAA) as a model. The CAA is a rare example of a policy that has persisted for decades while adapting to new scientific, technological, and economic information. The Academy launched this research project in early 2015. The study uses five specific components of the CAA as case studies to facilitate identification of crucial design attributes that promote or detract from both policy durability and flexibility and positive program outcomes.
The Alternative Energy Future, continued

Project Chairs
GRANGER MORGAN
Carnegie Mellon University
MAXINE L. SAVITZ
Honeywell, Inc. (ret.)

Study Group on Durability and Adaptability in Energy Policy
Study Group Chairs
DALLAS BURTRAW
Resources for the Future
ANN CARLSON
University of California, Los Angeles

Study Group Members
JOSEPH ALDY
Harvard University
WILLIAM BOYD
University of Colorado Law School, Boulder
ERIC PATASHNIK
University of Virginia
BARRY RABE
University of Michigan
HANNAH WISEMAN
Florida State University College of Law

Project Meetings and Workshops

Workshop on Decision Science and Market Transformation Pathways
December 3 – 4, 2015
DC Architecture Center, Washington, D.C.

Participants
JEFFREY ALEXANDER
Center for Science, Technology and Economic Development
DOUG ARENT
Joint Institute for Strategic Energy Analysis; National Renewable Energy Laboratory
SHAHZEEN ATTARI
Indiana University Bloomington
SAM BALDWIN
U.S. Department of Energy
RUTH GREENSPAN BELL
Woodrow Wilson International Center for Scholars; Columbia University; Environmental Law Institute
BRYAN BOLLINGER
Duke University
SARAH BROOKHART
Association for Psychological Science
ADAM COHEN
Split Technology, Inc.; CertainSolar, Inc.
CRAIG CONNELLY
U.S. Department of Energy
FAY LOMAX COOK
National Science Foundation; Northwestern University
ALEX DAVIS
Carnegie Mellon University
JULIA DAY
Kansas State University
ANDY DESOTO
Association for Psychological Science
CHERYL EAVEY
National Science Foundation

Publications

(Spring 2012 and Winter 2013)

Beyond Technology: Strengthening Energy Policy through Social Science (American Academy of Arts and Sciences, 2011)

Project Staff
JOHN RANDELL
SHALIN JYOTISHI
ALISON LEAF
KEERTHI SHETTY

Funders
The Cynthia and George Mitchell Foundation
National Science Foundation
New York State Energy Research and Development Authority (NYSERDA)
Skoll Global Threats Fund
Alfred P. Sloan Foundation
United States Department of Energy
Project Meetings and Workshops

Workshop on Decision Science and Market Transformation Pathways, continued

KAREN EHRHARDT-MARTINEZ
Navigant Consulting

KENNETH GILLINGHAM
Yale University

MICHAEL HAND
General Services Administration

TIANZHEN HONG
Lawrence Berkeley National Laboratory

JOSH HUNEYCU TT
U.S. Department of Energy

STEPHANIE JOHNSON
U.S. Department of Energy

SHALIN JYOTISHI
American Academy of Arts and Sciences

BETH KARLIN
University of Southern California

LIZ KEENAN
Harvard University

LEIDI KLOTZ
Clemson University

LAUREN KUBIAK
Natural Resources Defense Council

KIRAN LAKKARAJU
Sandia National Laboratories

JARED LANGEVIN
U.S. Department of Energy

ALISON LEAF
American Academy of Arts and Sciences

MICHAEL LI
U.S. Department of Energy

JACK MAYERNIK
National Renewable Energy Laboratory

SUSAN MAZUR-STOMMEN
Indicia Consulting LLC; formerly, American Council for an Energy-Efficient Economy

M. GRANGER MORGAN
Carnegie Mellon University

CHERRY MURRAY
U.S. Department of Energy; Harvard University

CHRISTINA NICHOLS
U.S. Department of Energy

MARY ELLEN O’CONNELL
Board on Environmental Change and Society; National Academies of Sciences, Engineering and Medicine

ROBERT O’CONNOR
National Science Foundation

CHRISTOPHER PAYNE
Lawrence Berkeley National Laboratory

PATRICK PHELAN
U.S. Department of Energy

AMMAR QUSAIBATY
U.S. Department of Energy

VARUN RAI
University of Texas at Austin

JOHN RANDELL
American Academy of Arts and Sciences

PHILIP RUBIN
Haskins Laboratories; formerly, White House Office of Science and Technology Policy

MAXINE L. SAVITZ
President’s Council of Advisors on Science and Technology; Honeywell, Inc., ret.

STEVEN SEXTON
Duke University

TARAK SHAH
U.S. Department of Energy

KEERTHI SHETTY
American Academy of Arts and Sciences

BENJAMIN SIGRIN
National Renewable Energy Laboratory

PAUL STERN
National Research Council

RYAN STOLLEY
U.S. Department of Energy

MARGARET TAYLOR
Lawrence Berkeley National Laboratory; Stanford University

JESSIKA TRANCIR
Massachusetts Institute of Technology

ELAINE ULRICH
U.S. Department of Energy

MICHAEL VANDENBERGH
Climate Change Research Network; Vanderbilt University

YEVGENIY VOROBEYCHIK
Vanderbilt University

EREZ YOELI
Harvard University
The Academy’s projects in Global Security and International Affairs are conducted in collaboration with the Committee on International Security Studies (CISS). Founded by Harvey Brooks, CISS has been led by distinguished experts such as Paul Doty, Franklin A. Long, and Carl Kaysen. Previous work included pathbreaking analyses of the implications of the Strategic Defense Initiative, the militarization of space, the relationship between environmental scarcity and violent conflict, the proliferation of small arms and light weapons, and the challenge of strengthening institutions of international justice.

Current work focuses on emerging challenges to international peace and security, with particular attention to military technological advancements, relations among great powers, nuclear weapons, and the threats arising from fragile and failing states.

Committee on International Security Studies

STEVEN E. MILLER, Cochair
Harvard University

JOHN D. STEINBRUNER,† Cochair
University of Maryland

Committee Members

RICHARD L. GARWIN
IBM Thomas J. Watson Research Center

JENNIFER LEANING
Harvard University

ROBERT LEGVOLD
Columbia University

JANNE NOLAN
George Washington University

BARRY POSEN
Massachusetts Institute of Technology

BRUCE RUSSETT
Yale University

SCOTT D. SAGAN
Stanford University

SHIBLEY TELHAMI
University of Maryland

† Deceased
New Dilemmas in Ethics, Technology, and War

The project on New Dilemmas in Ethics, Technology, and War explores the normative issues created by changes in military technology and the evolving character of warfare. This study follows from the observation that although technological innovations and political developments are altering the conventional way in which warfare is conducted, efforts to align the international legal framework with this evolving context have lagged behind. The ethical and legal fabric traditionally provided by the International Law of Armed Conflict has been eroded and undermined by the rise of non-state actors and the deployment of new military technology, such as drones and cyber weapons, which increasingly reduce the human role in combat operations.

The project addresses the growing gap between the scholarship on ethics and war and the policy-relevant work that can influence government decisions and public debates.

The project will publish two issues of Daedalus that, together with an extensive policy outreach strategy, will influence and shape pertinent policy debates by identifying and disseminating key lessons learned and policy recommendations that might be of value to policy-makers and military strategists.

Project Chair
SCOTT D. SAGAN
Stanford University

Steering Committee
NORMAN R. AUGUSTINE
Lockheed Martin Corporation, ret.

LLOYD AXWORTHY
University of Waterloo; formerly, Department of Foreign Affairs, Trade, and Development, Government of Canada

JAMES ELLIS
Stanford University; Institute of Nuclear Power Operations, ret.; U.S. Navy, ret.

TANISHA FAZAL
University of Notre Dame

Project Staff
JENNIFER LEANING
Harvard University

GILMAN LOUIE
Alsop Louie Partners; formerly, In-Q-Tel

DAVID LUBAN
Georgetown University

MARK MARTINS
U.S. Army, Judge Advocate General’s Corps

ARYEH NEIER
Paris School of International Affairs of Sciences Po

JANNE NOLAN
George Washington University

BARRY POSEN
Massachusetts Institute of Technology

NANCY SHERMAN
Georgetown University

MICHAEL WALZER
Institute for Advanced Study

JENNIFER WELSH
European University Institute

Project Staff
FRANCESCA GIOVANNINI
KATHRYN MOFFAT

Funders
Humanity United
John D. and Catherine T. MacArthur Foundation
The Rockefeller Foundation

Publications

“Ethics, Technology & War,” Daedalus (Fall 2016)

Project Meetings and Workshops

Authors’ Workshop and Roundtable Discussions

November 4 – 6, 2015
The Thayer Hotel, West Point, NY

At this workshop, authors discussed drafts of their *Dædalus* essays with academic experts, military leaders, and other practitioners. The workshop also included a series of roundtable discussions with military personnel, humanitarian aid practitioners, policy-makers, journalists, and scholarly experts, who shared their knowledge of current issues in ethics and warfare.

Participants

**LLOYD AXWORTHY**
University of Waterloo; formerly, Department of Foreign Affairs, Trade, and Development, Government of Canada

**TIM BAKKEN**
United States Military Academy at West Point

**JENNIFER WELSH**
European University Institute

**TODD BURKHARDT**
United States Military Academy at West Point

**JOHN BURROUGHS**
Lawyers Committee on Nuclear Policy; UN Office of International Association of Lawyers Against Nuclear Arms

**JAY CASSANO**
Data & Society Research Institute

**ANTONIA CHAYES**
Tufts University

**WALTER DORN**
Canadian Forces College; Royal Military College of Canada

**DIRK DRUET**
United Nations Departments of Peacekeeping Operations and Field Support

**JOSEPH FELTER**
Stanford University

**DAVID FREY**
United States Military Academy at West Point

**FRANCESCA GIOVANNINI**
American Academy of Arts and Sciences

**ROBERT J. GOLDSTEIN**
United States Military Academy at West Point

**MICHAEL C. HOROWITZ**
University of Pennsylvania

**ARAFA JAMAL**
United Nations Interagency Standing Committee

**JAY CASSANO**
Data & Society Research Institute

**PETER DISSMORE**
U.S. Army

**KEITH KRAUSE**
Graduate Institute of International and Development Studies in Geneva

**ANTONIA CHAYES**
Tufts University

**WALTER DORN**
Canadian Forces College; Royal Military College of Canada

**DIRK DRUET**
United Nations Departments of Peacekeeping Operations and Field Support

**JOSEPH FELTER**
Stanford University

**DAVID P. FIDLER**
Indiana University Maurer School of Law; Council on Foreign Relations

**DAVID FREY**
United States Military Academy at West Point

**FRANCESCA GIOVANNINI**
American Academy of Arts and Sciences

**ROBERT J. GOLDSTEIN**
United States Military Academy at West Point

**MICHAEL C. HOROWITZ**
University of Pennsylvania

**ARAFA JAMAL**
United Nations Interagency Standing Committee

**C. ROBERT KEHLER**
U.S. Air Force, ret.

**MATTHEW KEMKES**
United States Military Academy at West Point

**PETER KILNER**
United States Military Academy at West Point

**KEITH KRAUSE**
Graduate Institute of International and Development Studies in Geneva

**NELLY LAHOUD**
United States Military Academy at West Point

**SETH LAZAR**
Australian National University

**JENNIFER LEANING**
Harvard University

**TIM LEONE**
United States Military Academy at West Point

**JEFFREY LEWIS**
James Martin Center for Nonproliferation Studies, Middlebury Institute of International Studies at Monterey

**HUGH LIEBERT**
United States Military Academy at West Point

Jennifer Welsh (European University Institute)
Project Meetings and Workshops

Authors’ Workshop and Roundtable Discussions, continued

JOHN MADDEN  
United States Military Academy at West Point

KATHRYN MOFFAT  
American Academy of Arts and Sciences

COURTNEY MORRIS  
United States Military Academy at West Point

JANNE NOLAN  
George Washington University

GRAHAM PARSONS  
United States Military Academy at West Point

SCOTT PARSONS  
United States Military Academy at West Point

DEBORAH PEARLSTEIN  
Yeshiva University

STEPHANIE PELL  
United States Military Academy at West Point

ARIE PERLIGER  
United States Military Academy at West Point

SAYTHALA PHONEXAYPHOVA  
United States Military Academy at West Point

BRYAN PRICE  
United States Military Academy at West Point

STEPHEN RAPP  
U.S. Holocaust Memorial Museum; The Hague Institute for Global Justice

DON RASSLER  
United States Military Academy at West Point

JAMES ROSS  
Human Rights Watch

SCOTT D. SAGAN  
Stanford University

LAURA FORD SAVARESE  
Yale Law School

MIKE SAXON  
United States Military Academy at West Point

PAUL SCHARRE  
Center for a New American Security

SCOTT SILVERSTONE  
United States Military Academy at West Point

FAWAD HUSSAIN SYED  
United Nations Office for the Coordination of Humanitarian Affairs

ROBERT TULLY  
United States Military Academy at West Point

BENJAMIN VALENTINO  
Dartmouth College

KATHRYN VESETH  
U.S. Air Force

LESLEY VINJAMURI  
SOAS, University of London; Chatham House

MICHAEL WALZER  
Institute for Advanced Study

ALLEN WEINER  
Stanford University

Lloyd Axworthy (University of Waterloo; formerly, Department of Foreign Affairs, Trade, and Development, Government of Canada)

JENNIFER WELSH  
European University Institute

PAUL WISE  
Stanford University

JOHN FABIAN WITT  
Yale Law School

STEVE WOODSIDE  
U.S. Army
The Role of Ethics in International Affairs

February 23 – 25, 2016
The Rockefeller Foundation Bellagio Center, Italy

The Academy’s projects on New Dilemmas in Ethics, Technology, and War and on Civil Wars, Violence, and International Responses jointly convened a meeting at The Rockefeller Foundation Bellagio Center in Italy to explore the role of norms in international affairs. The participants discussed questions related to the role of the international community in civil wars, the impact that drones and new military technology bear on states’ behavior in warfare, and the many ways in which the academic community can contribute to formulate a more ethical foreign policy.

Participants

SOLOMON BENATAR
University of Cape Town; University of Toronto

HILAL ELVER
United Nations Special Rapporteur on Right to Food; University of California, Santa Barbara

RICHARD FALK
Princeton University; University of California, Santa Barbara

JONATHAN F. FANTON
American Academy of Arts and Sciences

HUBERT K. FOY
African Center for Science and International Security

SUMIT GANGULY
Indiana University Bloomington

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

KARIM HAGGAG
Egyptian Ministry of Foreign Affairs

ANDREW HURRELL
University of Oxford

BRUCE JENTLESON
Duke University

SHADEN KHALLAF
United Nations High Commissioner for Refugees

ARTHUR KLEINMAN
Harvard University

STEPHEN KRASNER
Stanford University

MARÍA VICTORIA LLORENTE
Fundación Ideas Para la Paz

EMTITHAL MAHMOUD
Yale University

WILLIAM RENO
Northwestern University

MÓNICA SERRANO
El Colegio de México

TAN SEE SENG
S. Rajaratnam School of International Studies, Nanyang Technological University

NINA TANNENWALD
Brown University

RAMESH THAKUR
Australian National University

JENNIFER WELSH
European University Institute

Participants at the Academy’s meeting on the Role of Ethics in International Affairs, held at The Rockefeller Foundation Bellagio Center in Italy
Project Meetings and Workshops

Briefings in Geneva

May 2 – 4, 2016
Geneva, Switzerland

Four authors writing for the *Dædalus* issues on New Dilemmas in Ethics, Technology, and War briefed high-level officials at the United Nations High Commissioner for Refugees (UNHCR) in Geneva and shared the findings of the project. In addition to the briefings at UNHCR, the authors met with representatives from other organizations, including the World Health Organization (WHO), International Committee of the Red Cross (ICRC), the Centre for Humanitarian Dialogue, the International Council of Voluntary Agencies, World Food Program, and Office of the United Nations High Commissioner for Human Rights.

Participants

TANISHA FAZAL
University of Notre Dame

MICHAEL C. HOROWITZ
University of Pennsylvania

KEITH KRAUSE
Graduate Institute of International and Development Studies in Geneva

KATHRYN MOFFAT
American Academy of Arts and Sciences

LESLEY VINJAMURI
SOAS, University of London; Chatham House

The Global Nuclear Future

The Global Nuclear Future (GNF) Initiative is an interdisciplinary and multinational project that is working to identify procedures that allow for the peaceful use of nuclear power while minimizing the potential adverse consequences of the spread of inherently risky nuclear technology. The project brings together diverse communities, including leading experts from academia, government, nongovernmental organizations, and the nuclear industry.

The GNF Initiative has focused its work in three main areas:

1) developing regional networks of knowledge on nuclear technology in Southeast Asia and the Middle East;

2) identifying the best strategies and policies to manage the nuclear fuel cycle, including the back-end of the nuclear fuel cycle and the transfer and governance of dual-use technology;

3) identifying possible strategies to minimize the risks of insider threats within nuclear laboratories and power plants.

Some of the project’s activities include convening nuclear experts and scholars, with the objective of promoting dialogue among regional players; hosting policy briefings and consultations with government officials and representatives of the nuclear industry; and commissioning papers and publications, often co-authored by regional experts, to enhance academic cooperation and nurture interstate intellectual exchanges.
The Global Nuclear Future

Project Chairs

STEVEN E. MILLER  
Harvard Kennedy School

ROBERT ROSNER  
University of Chicago

Senior Advisor

SCOTT D. SAGAN  
Stanford University

Project Advisors

RICHARD A. MESERVE  
Covington & Burling LLP; formerly, Carnegie Institution for Science

SAM NUNN  
Nuclear Threat Initiative

GEORGE PERKOVICH  
Carnegie Endowment for International Peace

WILLIAM J. PERRY  
Stanford University

WILLIAM POTTER  
Monterey Institute of International Studies

JOHN W. ROWE  
Exelon Corporation, ret.

GEORGE P. SHULTZ  
Stanford University

Project Staff

FRANCESCA GIOVANNINI

KATHRYN MOFFAT

Funders

Carnegie Corporation of New York

Flora Family Foundation

William and Flora Hewlett Foundation

The Kavli Foundation

John D. and Catherine T. MacArthur Foundation

Alfred P. Sloan Foundation

Publications

Governance of Dual-Use Technologies: Theory and Practice, edited by Elisa D. Harris (American Academy of Arts and Sciences, 2016)


Nuclear Power in Vietnam: International Responses and Future Prospects, Tanya Ogilvie-White (American Academy of Arts and Sciences, 2014)

Nuclear Liability: A Key Component of the Public Policy Decision to Deploy Nuclear Energy in Southeast Asia, Mohit Abraham (American Academy of Arts and Sciences, 2014)


Lessons Learned from “Lessons Learned”: The Evolution of Nuclear Power Safety after Accidents and Near-Accidents, Edward D. Blandford and Michael M. May (American Academy of Arts and Sciences, 2012)

Nuclear Collisions: Discord, Reform & the Nuclear Nonproliferation Regime, essay by Steven E. Miller, with responses by Wael Al-Assad, Jayantha Dhanapala, C. Raja Mohan, and Ta Minh Tuan (American Academy of Arts and Sciences, 2012)


Game Changers for Nuclear Energy, Kate Marvel and Michael May (American Academy of Arts and Sciences, 2011)

Nuclear Reactors: Generation to Generation, Stephen M. Goldberg and Robert Rosner (American Academy of Arts and Sciences, 2011)

Challenges to the NPT Review Conference: Lessons from the Past; Opportunities for the Future (confidential report, May 2010)

Nuclear Energy in the Middle East: Implications, Challenges, Opportunities (American Academy of Arts and Sciences, 2010)

Multinational Approaches to the Nuclear Fuel Cycle, Charles McCombie & Thomas Isaacs, Noramly Bin Muslim, Tariq Rauf, Atsuyuki Suzuki, Frank von Hippel, and Ellen Tauscher (American Academy of Arts and Sciences, 2010)


"On the Global Nuclear Future,” vols. 1–2, Dædalus, edited by Steven E. Miller and Scott D. Sagan (Fall 2009 and Winter 2010)
Project Meetings and Workshops

Re-Imagining the Global Nuclear Order

September 21 – 22, 2015
Nuffield College, University of Oxford

The American Academy of Arts and Sciences, the Department of Politics and International Relations at the University of Oxford, and the Center for International Security and Cooperation at Stanford University hosted an academic conference on “Re-Imagining the Global Nuclear Order: International Approaches in Historical Perspective.” The conference brought together historians and political scientists to examine the multifaceted interaction between the international system and the global nuclear order. The main purpose of the conference was to examine how nuclear weapons have influenced and shaped the geopolitical relations among great and regional powers, thereby affecting prospects for global peace and stability at various historical conjectures. The conference also focused on the complex interplay between nuclear and non-nuclear weapons states and discussed whether the enduring presence of nuclear weapons represents a fundamental violation of human rights for the global collectivity.

Participants

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

JEFFREY KNOPF
James Martin Center for Nonproliferation Studies, Middlebury Institute of International Studies at Monterey

GABRIELLE HECHT
University of Michigan

A. VINOD KUMAR
Institute for Defense Studies and Analyses

DAVID HOLLOWAY
Stanford University

JEFFREY LEGRO
University of Virginia

JONATHAN HUNT
Emory University

NICOLA LEVERINGHAUS
University of Sheffield

ANDREW HURRELL
University of Oxford

PATRICIA LEWIS
Chatham House

MARK BELL
University of Minnesota; formerly, Massachusetts Institute of Technology

NEIL MACFARLANE
University of Oxford

MÅLFRID BRAUT-HEGGHAMMER
University of Oslo

STEVEN E. MILLER
Harvard Kennedy School

EMMA BELCHER
John D. and Catherine T. MacArthur Foundation

A. VINOD KUMAR
Institute for Defense Studies and Analyses

KANTI BAJPAI
National University of Singapore

JEFFREY LEGRO
University of Virginia

KATHRIN BACHLEITNER
University of Oxford

NICOLA LEVERINGHAUS
University of Sheffield

itty abraham
National University of Singapore

PATRICIA LEWIS
Chatham House

KANTI BAJPAI
National University of Singapore

NEIL MACFARLANE
University of Oxford

EMMA BELCHER
John D. and Catherine T. MacArthur Foundation

AVNER COHEN
James Martin Center for Nonproliferation Studies, Middlebury Institute of International Studies at Monterey

CAMPBELL CRAIG
Aberystwyth University

JONATHAN F. FANTON
American Academy of Arts and Sciences

LOUISE FAWCETT
University of Oxford

LAWRENCE FREEDMAN
King’s College London

A. VINOD KUMAR
Institute for Defense Studies and Analyses

FRANCISCA GIOVANNINI
American Academy of Arts and Sciences

GABRIELLE HECHT
University of Michigan

DAVID HOLLOWAY
Stanford University

JONATHAN HUNT
Emory University

MATTHEW JONES
London School of Economics

ALEXANDER KMETT
Federal Ministry for Europe, Integration and Foreign Affairs, Austria

JONATHAN HUNT
Emory University

ANDREW HURRELL
University of Oxford

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

MATTHEW JONES
London School of Economics

LAWRENCE FREEDMAN
King’s College London
Re-Imagining the Global Nuclear Order, continued

KATHRYN MOFFAT
American Academy of Arts and Sciences

LEOPOLDO NUTI
Roma Tre University

CARLO PATTI
Universidade Federal de Goiás

BENOÎT PELOPIDAS
University of Bristol

WILLIAM POTTER
James Martin Center for Nonproliferation Studies, Middlebury Institute of International Studies at Monterey

JOHN RANDELL
American Academy of Arts and Sciences

NICK RITCHIE
University of York

ADAM ROBERTS
University of Oxford

SCOTT D. SAGAN
Stanford University

ALEXANDER SAVELYEV
Moscow State University

PAUL SCHULTE
University of Birmingham; King’s College London

ETEL SOLINGEN
University of California, Irvine

MATIAS SPEKTOR
Fundação Getulio Vargas

KATE SULLIVAN
University of Oxford

WILLIAM WALKER
University of St. Andrews

NICHOLAS WHEELER
University of Birmingham

Participants

THOMAS COTTON
Complex Systems Group

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

ALAN HANSON
Massachusetts Institute of Technology

JAMES P. MALONE
Lighthouse

KATHRYN MOFFAT
American Academy of Arts and Sciences

ANDREW NEWMAN
Nuclear Threat Initiative

ROBERT ROSNER
University of Chicago

ROBERT D. SLOAN
Louisiana State University Law Center; Tulane University Law School

CARL STOIBER
U.S. Nuclear Regulatory Commission

Insider Threats Briefings at National Laboratories

November 16 – 17, 2015
Sandia National Laboratories and Los Alamos National Laboratory


Briefing on Establishing a Multilateral Interim Storage Facility

December 10, 2015
Nuclear Threat Initiative, Washington, D.C.

The Global Nuclear Future Initiative and the Nuclear Threat Initiative convened nuclear experts for a briefing with Robert D. Sloan, who presented a draft version of a legal framework for a multilateral interim storage facility. The legal framework will be published by the Academy’s Global Nuclear Future Initiative in 2016.
**Briefings on Establishing a Multilateral Interim Storage Facility**

**February 7 – 8, 2016**  
Washington, D.C.

During a series of meetings in Washington, D.C., with nuclear experts and policy-makers from the United States, France, South Korea, and Japan, Global Nuclear Future Initiative cochair Robert Rosner and Robert D. Sloan presented a draft of a legal framework for a multilateral interim storage facility.

**Participants**

- Melissa Bates  
  U.S. Department of Energy
- Samuel Brinton  
  Bipartisan Policy Center
- Jean-Marc Capdevila  
  Embassy of France
- Raymond V. Furstenauf  
  U.S. Department of Energy
- Francesca Giovannini  
  American Academy of Arts and Sciences
- Thomas Graham, Jr.  
  Lightbridge
- Andrew R. Griffith  
  U.S. Department of Energy
- John Herczeg  
  U.S. Department of Energy
- Hiromi Kayama  
  Ministry of Economy, Trade, and Industry, Japan
- Florence Lowe-Lee  
  The Global America Business Institute (GABI)
- Kathryn Moffat  
  American Academy of Arts and Sciences
- Suzanne Phelps  
  Nuclear Energy Institute
- Mary Pietrzyk  
  Nuclear Energy Institute
- Everett Redmond II  
  Nuclear Energy Institute
- Robert Rosner  
  University of Chicago
- Robert D. Sloan  
  Louisiana State University Law Center; Tulane University Law School

**Briefings on Establishing a Regional Interim Storage Facility**

**April 26 – 29, 2016**  
South Korea and Taiwan

The Global Nuclear Future Initiative conducted a week-long series of closed-door briefings and consultations with nuclear experts, government officials, and scholars in Seoul and Taipei to discuss the feasibility of a proposal for the establishment of a regional interim storage facility for nuclear waste in Asia. The consultations provided a better understanding of the constraints and challenges that nuclear countries such as Taiwan and South Korea currently face in the adoption and implementation of nuclear waste management policies. The meetings also helped to tailor the Global Nuclear Future Initiative’s back-end work to the specific needs of these countries.

Meeting at the Korea Advanced Institute of Science and Technology (KAIST): Robert D. Sloan (Louisiana State University Law Center; Tulane University Law School), Hong Jar (KAIST), Francesca Giovannini (American Academy), Robert Rosner (University of Chicago), Man-Sung Yim (KAIST), Carol Hornibrook (KAIST), and Kwang Lse (Government of South Korea)
Project Meetings and Workshops

Briefings on Establishing a Regional Interim Storage Facility, continued

Participants

P. T. CHEN
Taiwan Power Company

WEN-CHUAN (TOM) CHEN
Atomic Energy Council of Taiwan

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

CAROL HORNIBROOK
Korea Advanced Institute of Science and Technology

SHAU TSANG HUANG
Atomic Energy Council of Taiwan

SIMON HUANG
Chung Hwa Nuclear Society

YONGSOO HWANG
Korea Institute of Nuclear Nonproliferation and Control

HONG JAR
Korea Advanced Institute of Science and Technology

JEONGMOOK KIM
Korea Hydro and Nuclear Power Company

MIN LEE
National Tsing Hua University

KWANG LSE
Government of South Korea

C. PAN
National Tsing Hua University

ROBERT ROSNER
University of Chicago

ROBERT D. SLOAN
Louisiana State University Law Center; Tulane University Law School

MAN-SUNG YIM
Korea Advanced Institute of Science and Technology

Creation and Destruction: Managing the Benefits and Risks of Nuclear, Biological, and Information Technologies

May 10, 2016
University of Chicago

To celebrate the publication of the Governance of Dual-Use Technologies: Theory and Practice, edited by Elisa D. Harris (American Academy of Arts and Sciences, 2016), the Academy hosted a Stated Meeting in Chicago, which featured a panel discussion on the challenges and opportunities present with dual-use technologies and the establishment of policies to ensure the safety and security of our global community.

Speakers

JAMES M. ACTON
Carnegie Endowment for International Peace

JONATHAN F. FANTON
American Academy of Arts and Sciences

ELISA D. HARRIS
Center for International and Security Studies at Maryland

HERBERT S. LIN
Stanford University

ROBERT ROSNER
University of Chicago

ROBERT J. ZIMMER
University of Chicago

Robert Rosner (University of Chicago), James M. Acton (Carnegie Endowment for International Peace), and Elisa D. Harris (Center for International and Security Studies at Maryland)
Civil Wars, Violence, and International Responses

This project is examining the causes and drivers of current civil wars and articulating recommendations for the international community to tame existing violence and prevent new crises from erupting into full-scale wars.

Although civil wars are not a new phenomenon in international politics, the context in which current civil wars unfold presents distinct challenges for the international community. Today, as geopolitical rivalries heighten among great and regional powers, international organizations in the absence of global consensus struggle to fulfill their mandate to prevent violent conflicts and the breaking down of states.

This project is analyzing current civil wars in the present geopolitical landscape and identifying strategies to strengthen viable responses to current and emerging humanitarian crises in spite of existing constraints.

Since the end of the Cold War, the world has witnessed a surge in civil wars resulting from the outbreak of nationalism, the rise of religious and ethnic fundamentalism, and the weakening of state sovereignty under the pressure of the forces of globalization. Major changes occurring in both political and economic realms have brought greater vulnerability to the international system, resulting in the dissolution of states (Yugoslavia), an unprecedented level of violence (Rwanda), and anarchy (Somalia). Civil wars are frequently considered more lethal and dangerous to global order than interstate conflicts for at least three reasons: 1) these conflicts have a tendency to escalate into a high level of violence; 2) civil wars result in many civilian casualties; and 3) civil wars have a tendency to be internationalized by entangling regional and great powers in their violent dynamics.

This project will focus on how cooperation among great and regional powers can be fostered and what new multilateral and international mechanisms for conflict prevention could be designed and adopted by the international community.

Project Chairs

KARL EIKENBERRY  
Stanford University; U.S. Army, ret.

STEPHEN KRASNER  
Stanford University

Project Members

MICHELE BARRY  
Stanford University

STEVE BIDDLE  
Council on Foreign Relations; George Washington University

TANJA A. BÖRZEL  
Freie Universität Berlin

CHARLES CALL  
American University

ALEXA COURTNEY  
United States Institute of Peace

MARTHA CRENSHAW  
Stanford University

LYSE DOUCET  
BBC News

TANISHA FAZAL  
University of Notre Dame

JAMES FEARON  
Stanford University

VANDA FELBAB-BROWN  
Brookings Institution

FRANCIS FUKUYAMA  
Stanford University

SUMIT GANGULY  
Indiana University

RICHARD GOWAN  
New York University

SONJA GRIMM  
University of Konstanz

THOMAS HEGGHAMMER  
Norwegian Defence Research Establishment

BRUCE JONES  
Brookings Institution

STATHIS KALYVAS  
Yale University

NANCY LINDBORG  
United States Institute of Peace

SARAH LISCHER  
Wake Forest University

AILA MATANOCK  
University of California, Berkeley

STEWART PATRICK  
Council on Foreign Relations

BARRY POSEN  
Massachusetts Institute of Technology

WILLIAM RENO  
Northwestern University

THOMAS RISSE  
Freie Universität Berlin

HENDRIK SPRUYT  
Northwestern University

STEPHEN STEDMAN  
Stanford University

PAUL WISE  
Stanford University

Project Staff

FRANCESCA GIOVANNINI

SUMMERS HAMMEL

Funder

Humanity United

Publications


Project Meetings and Workshops

Sovereignty as Liability: When Weak States Threaten Global Security

Exploratory Meeting
August 3, 2015
American Academy of Arts & Sciences
Cambridge, MA

This exploratory meeting focused on the impact that weak and fragile states have on global security. The discussion explored historical case studies, including Somalia, the Balkans, and Iraq, and more recent crises in Syria, Yemen, and Libya. The participants examined lessons learned and best practices from past interventions and discussed new strategies for responding to failing states.

Participants

STEPHEN BIDDLE
George Washington University; Council on Foreign Relations

LYSE DOUCET
BRC News

KARL EIKENBERRY
Stanford University; U.S. Army, ret.

JONATHAN F. FANTON
American Academy of Arts and Sciences

JAMES FEARON
Stanford University

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

SUMMERS HAMMEL
American Academy of Arts and Sciences

ROBERT JENKINS
USAID

SETH D. KAPLAN
Johns Hopkins University

ROBERT LEGVOLD
Columbia University

MARK LICHBACH
University of Maryland

KATHRYN MOFFAT
American Academy of Arts and Sciences

STEWARD PATRICK
Council on Foreign Relations

BARRY POSEN
Massachusetts Institute of Technology

JOHN RANDELL
American Academy of Arts and Sciences

FRANCIS J. RICCIARDONE
Atlantic Council

TAYLOR B. SEYBOLT
University of Pittsburgh

STEPHEN J. STEDMAN
Stanford University

SHIBLEY TELHAMI
Brookings Institution; University of Maryland

JOHN YATES
formerly, U.S. Department of State

MARIE-JOËLLE ZAHAR
United Nations; Université de Montréal
Project Meetings and Workshops

State Collapse: Threats and Policy Responses

Exploratory Meeting
December 4, 2015
Center for International Security and Cooperation, Stanford University

At this meeting, participants addressed specific questions related to the design of the forthcoming Daedalus issues on Civil Wars and International Order, most specifically:

1) Which case studies should be featured in a study of civil wars today? In what ways are lessons learned from past civil wars applicable to the current context?

2) What other forms of violence (for instance, violence generated by criminal activities) should the Daedalus issues examine?

3) How can the Academy ensure that the project reflects a cosmopolitan view of peace and security and not an American-centric perspective?

Participants

NAAZNEEN H. BARMA
Naval Postgraduate School in Monterey

STEPHEN BIDDLE
George Washington University

CHARLES CALL
American University

STEVE COLL
Columbia University

ALEXA COURTNEY
United States Institute of Peace

MARTHA CRENSHAW
Stanford University

KARL EIKENBERRY
Stanford University; U.S. Army, ret.

JAMES FEARON
Stanford University

JOSEPH H. FELTER
Stanford University

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

STEPHEN KRASNER
Stanford University

KATHLEEN KUEHNAST
United States Institute of Peace

CLARE LOCKHART
Institute for State Effectiveness

AILA M. MATANOCK
University of California, Berkeley

KATHRYN MOFFAT
American Academy of Arts and Sciences

STEWART PATRICK
Council on Foreign Relations

BARRY POSEN
Massachusetts Institute of Technology

WILLIAM RENO
Northwestern University

ROBERT I. ROTBERG
World Peace Foundation; Harvard Kennedy School

STEPHEN STEDMAN
Stanford University

PAUL WISE
Stanford University

BELINDA A. YEOMANS
Stanford University
Understanding the New Nuclear Age

Understanding the New Nuclear Age will examine the challenges and opportunities presented by the current nuclear age. In particular, the study will focus on three main dimensions of the global nuclear order today: 1) how the geostrategic relationships between the nuclear powers have shifted since the first nuclear age, and the impact of those changes; 2) how technological innovations (in the space and cyber realm in particular, although not exclusively) are affecting existing nuclear arrangements (including the extended deterrence architecture and strategic stability); and 3) how the changes in the current global nuclear order affect the prospects for nuclear arms control, recognizing that the framework in which we are operating has changed and continues to evolve. In the first phase, the project will focus on the diagnostics of the contemporary nuclear age. A working group will discuss commissioned papers on various dimensions of the current global nuclear order. In the second phase, the Academy will publish in an issue of *Dædalus* the main findings and ideas that have emerged from the working group discussions as well as one or more briefing papers for a policy audience. In the third phase, the project will engage in extensive policy outreach, domestically and internationally, to disseminate the main findings of the working group. In addition, the project will collaborate with high schools and universities in the United States to develop curricula on nuclear related topics to raise awareness on the enduring risks of nuclear weapons.

**Project Chair**
ROBERT LEGVOLD
Columbia University

**Project Advisers**
STEVEN E. MILLER
Harvard Kennedy School
BARRY POSEN
Massachusetts Institute of Technology
SCOTT D. SAGAN
Stanford University
NINA TANNENWALD
Brown University

**Working Group Members**
JAMES M. ACTON
Carnegie Endowment for International Peace

MARK BELL
University of Minnesota

LINTON BROOKS
Center for Strategic and International Studies; formerly, U.S. Department of Energy and U.S. National Nuclear Security Administration

LORD BROWNE OF LADYTON
Nuclear Threat Initiative; formerly, U.K. Ministry of Defense

CHRISTOPHER CHYBA
Princeton University

M. TAYLOR FRAVEL
Massachusetts Institute of Technology

CATHERINE KELLEHER
University of Maryland; Brown University

MICHAEL KREPON
Stimson Center

HANS KRISTENSEN
Federation of American Scientists

JESSICA TUCHMAN MATHEWS
Carnegie Endowment for International Peace

NICHOLAS MILLER
Brown University

STEVEN E. MILLER
Harvard Kennedy School

VIPIN NARANG
Massachusetts Institute of Technology

JANNE NOLAN
George Washington University

GEORGE PERKOVICH
Carnegie Endowment for International Peace

STEVEN PIFER
Brookings Institution; formerly, U.S. Department of State

WILLIAM POTTER
James Martin Center for Nonproliferation Studies, Middlebury Institute of International Studies at Monterey

MIRA RAPP-HOOPER
Center for a New American Security

SCOTT D. SAGAN
Stanford University

MICHAEL SWAINE
Carnegie Endowment for International Peace

NINA TANNENWALD
Brown University

JANE VAYNMAN
Temple University

**Project Staff**
FRANCESCA GIOVANNINI
SUMMERS HAMMEL
KATHRYN MOFFAT
PROJECTS, PUBLICATIONS & MEETINGS

Lassina Zerbo (Comprehensive Nuclear-Test-Ban Treaty Organization) with participants at the Youth Forum

Morgan J. Matthews (N Square), center, with students from Scarborough High School (Scarborough, Maine)

Project Meetings and Workshops

The Comprehensive Nuclear-Test-Ban Treaty at 20:
Prospects for Ratification and the Enduring Risks of Nuclear Testing

May 19, 2016
American Academy of Arts and Sciences
Cambridge, MA

To commemorate the twentieth anniversary of the signing of the Comprehensive Nuclear-Test-Ban Treaty (CTBT) and creation of its accompanying organization, the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), the Academy hosted a day-long event with roundtable discussions, a keynote address, a Youth Forum, and a Stated Meeting with offsite discussions for members and guests in Washington, D.C.; in Chicago; and at Stanford University. The goals of the program included: 1) to raise awareness among students about the prospects and challenges of ratifying the Comprehensive Nuclear-Test-Ban Treaty; 2) to convene discussions with academic experts and policy-makers on potential strategies to overcome the global institutional impasse to the ratification of the CTBT; and 3) to engage Academy members and others in a discussion about the risks and perils of resuming nuclear testing.

Participants

MANSOOR AHMED
Harvard Kennedy School

ALEXANDRA BELL
U.S. Department of State

ARON BERNESTEIN
Massachusetts Institute of Technology

ANTONIA CHAYES
Tufts University

JONATHAN F. FANTON
American Academy of Arts and Sciences

ENRICO FIORENTINI
Harvard Kennedy School

EDWIN FURSPAN
Harvard Medical School

ELIZA GHEORGHE
Harvard Kennedy School

FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

ROSE E. GOTTEMOELLER
U.S. Department of State

LAURA GREGO
Union of Concerned Scientists

SUMMERS HAMMEL
American Academy of Arts and Sciences

EDWIN FURSPHAN
Harvard Medical School

SIEGFRIED HECKER
Stanford University

IRA HELFAND
Physicians for Social Responsibility

AMBER JENNESS
American Academy of Arts and Sciences

R. SCOTT KEMP
Massachusetts Institute of Technology

LUISA KENAUSIS
Massachusetts Institute of Technology

DARYL KIMBALL
Arms Control Association

MARTIN MALIN
Harvard Kennedy School

Morgan J. Matthews (N Square), center, with students from Scarborough High School (Scarborough, Maine)
Project Meetings and Workshops

The Comprehensive Nuclear-Test-Ban Treaty at 20, continued

MORGAN J. MATTHEWS  
* N Square

KEEGAN McGrath  
* Comprehensive Nuclear-Test-Ban Treaty Organization

STEVEN E. MILLER  
* Harvard Kennedy School

KATHRYN MOFFAT  
* American Academy of Arts and Sciences

ARUN RATH  
* NPR and WGBH

PAUL G. RICHARDS  
* Columbia University

ROBERT ROSNER  
* University of Chicago

NICKOLAS ROTH  
* Harvard Kennedy School

AMANDA J. ROTHCHILD  
* Harvard Kennedy School

GARY SAMORE  
* Harvard Kennedy School

EUGENE SKOLNIKOFF  
* Massachusetts Institute of Technology

NINA TANNENWALD  
* Brown University

SCOTT WARREN  
* Generation Citizen

THOMAS WEIS  
* Rhode Island School of Design

LASSINA ZERBO  
* Comprehensive Nuclear-Test-Ban Treaty Organization

HUI ZHANG  
* Harvard Kennedy School

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Rose E. Gottemoeller (U.S. Department of State), center, with teachers and students from Scarborough High School (Scarborough, Maine)
The Academy is collaborating with organizations around the country—colleges and universities, learned societies, libraries, state councils, museums, and government agencies—to develop policy recommendations and resources that strengthen American education from kindergarten through graduate school. Current projects examine the future of undergraduate education and the importance of supporting public research universities and include the Commission on the Future of Undergraduate Education; the Commission on Language Learning; the Commission on the Humanities and Social Sciences; the Lincoln Project: Excellence and Access in Public Higher Education; and the Humanities Indicators data project. All of this work reaffirms the Academy’s underlying commitment to education as a prerequisite for a well-functioning democracy.

Commission on the Future of Undergraduate Education

Higher education continues to be one of the most important avenues of opportunity in American society. But the education landscape is changing rapidly: there are more options for how and when Americans receive some form of postsecondary education. New populations, for whom the traditional four-year degree was once an impossibility, can now pursue undergraduate education in two-year, four-year, for-profit, and online institutions, according to schedules that fit their own lives. And technological advances offer new approaches to student instruction and collaboration. At the same time, rising costs are challenging the affordability of traditional postsecondary degrees.

To address these topics and provide ideas for ensuring that individual Americans receive the education they need to thrive in the twenty-first century, the Academy established the Commission on the Future of Undergraduate Education with funding from Carnegie Corporation of New York. Over the next two years, the Commission will be examining the vast—and expanding—array of learning options available to high-school graduates, including students newly out of high school and older adults returning to school to further their lives and careers. The Commission—whose members include national leaders in education, business, and government—will study how well today’s students are served by the existing system and, more importantly, will identify the challenges and opportunities that higher education will encounter in the decades ahead.

**Chairs**

JOHN SEELY BROWN
formerly, Xerox PARC Research

WESLEY G. BUSH
Northrop Grumman

CARL A. COHN
Claremont Graduate University

MITCHELL E. DANIELS, JR.
Purdue University

JOHN J. DeGIOIA
Georgetown University

JONATHAN F. FANTON
American Academy of Arts and Sciences

ROBERT HORMATS
Kissinger Associates; formerly, U.S. Department of State

FREEMAN A. HRABOWSKI III
University of Maryland, Baltimore County

JENNIFER L. JENNINGS
New York University

JEREMY JOHNSON
Andela

DAPHNE KOLLER
Coursera, Inc.; Stanford University

SHERRY LANSING
Sherry Lansing Foundation

NICHOLAS LEMANN
Columbia University

Graduate School of Journalism

J. MICHAEL LOCKE
formerly, Rasmussen, Inc.
Commission on the Future of Undergraduate Education, continued

**Commission Members**

MONICA LOZANO  
U.S. Hispanic Media; La Opinión  
GAIL O. MELLOW  
LaGuardia Community College  
DIANA NATALICIO  
University of Texas at El Paso  
HILARY PENNINGTON  
Ford Foundation  
BEVERLY DANIEL TATUM  
Spelman College  
SHIRLEY M. TILGHMAN  
Princeton University  
MICHELLE WEISE  
Southern New Hampshire University

**Project Staff**

FRANCESCA PURCELL  
ELIZA BERG  
SAMANTHA CARNEY

**Funder**

Carnegie Corporation of New York

**Publications**

A Primer on the College Student Journey (American Academy of Arts and Sciences, fall 2016)

On Student Financial Aid, Judith Scott-Clayton (American Academy of Arts and Sciences, fall 2016)

**Project Meetings and Workshops**

**First Meeting of the Data Advisory Group**

August 6, 2015  
American Academy

At this meeting, Data Advisory Group members discussed and reviewed the available evidence the Commission will rely on for a data-rich primer on undergraduate education.

**Participants**

THOMAS BAILEY  
Columbia University  
SANDY BAUM  
Urban Institute  
ELIZA BERG  
American Academy of Arts and Sciences  
SAMANTHA CARNEY  
American Academy of Arts and Sciences  
RONALD G. EHRENBERG  
Cornell University  
JONATHAN F. FANTON  
American Academy of Arts and Sciences  
ESPENZA JOHNSON  
Spencer Foundation  
BRIDGET TERRY LONG  
Harvard Graduate School of Education  
MICHAEL S. McPHERSON  
Spencer Foundation  
JUDITH SCOTT-CLAYTON  
Columbia University  
JOHN TESSITORE  
American Academy of Arts and Sciences

**First Commission Meeting**

November 20, 2015  
American Academy  
Cambridge, MA

Commission members discussed the issues and challenges that brought them to the project and how they might be addressed. Among the key questions raised were: In this highly varied population of students, who is being well served and who is being served poorly? Looking beyond the needs of students as individuals, how well is undergraduate education performing in helping meet society’s social and economic needs?
**Project Meetings and Workshops**

**First Commission Meeting, continued**

**Participants**

**JOSEPH AOUN**  
Northeastern University

**DEBORAH LOEWENBERG BALL**  
University of Michigan  
School of Education

**ELIZA BERG**  
American Academy of Arts and Sciences

**REBECCA BLANK**  
University of Wisconsin-Madison

**SAMANTHA CARNEY**  
American Academy of Arts and Sciences

**CARL A. COHN**  
California Collaborative for Educational Excellence

**MITCHELL E. DANIELS, JR.**  
Purdue University

**JONATHAN F. FANTON**  
American Academy of Arts and Sciences

**FREEMAN HRABOWSKI**  
University of Maryland, Baltimore County

**JENNIFER JENNINGS**  
New York University

**ESPERANZA JOHNSON**  
Spencer Foundation

**JEREMY JOHNSON**  
Andela

**NICHOLAS LEMANN**  
Columbia University  
Graduate School of Journalism

**J. MICHAEL LOCKE**  
Rasmussen Inc.

**ZACK MABEL**  
Harvard Graduate School of Education

**MICHAEL S. MCPHERSON**  
Spencer Foundation

**GAIL O. MELLOR**  
LaGuardia Community College

**DON RANDEL**  
American Academy of Arts and Sciences

**BEVERLY TATUM**  
Spelman College

**JOHN TESSITORE**  
American Academy of Arts and Sciences

**ROY VAGELOS**  
Merck

**MICHELLE WEISE**  
Southern New Hampshire University

---

Nicholas Lemann (Columbia University Graduate School of Journalism), Deborah Loewenberg Ball (University of Michigan School of Education), and Beverly Tatum (Spelman College)

Jennifer Jennings (New York University) and Joseph Aoun (Northeastern University)

Gail O. Mellow (LaGuardia Community College), Mitchell E. Daniels, Jr. (Purdue University), and Rebecca Blank (University of Wisconsin-Madison)
Second Meeting of the Data Advisory Group

January 20, 2016
Washington, D.C.

At this meeting, participants discussed the Commission’s forthcoming publication, a primer, which will look at “the undergraduate student journey” – conveying the story of the major themes and trends in undergraduate education through the perspective of the student journey into, through, and out of college.

Participants

TOM BAILEY
Columbia University

SANDY BAUM
Urban Institute

MAUREEN DEVLIN
TIAA-CREF Institute

RONALD G. EHRENBerg
Cornell University

CAROLYN FUQUA
American Academy of Arts and Sciences

ESPERANZA JOHNSON
Spencer Foundation

BRIDGET TERRY LONG
Harvard Graduate School of Education

ZACK MABEL
Harvard Graduate School of Education

MICHAEL S. MCPHERSON
Spencer Foundation

FRANCESCA PURCELL
American Academy of Arts and Sciences

JUDITH SCOTT-CLAYTON
Columbia University

JOHN TESSITORE
American Academy of Arts and Sciences

ROBERT TOWNSEND
American Academy of Arts and Sciences

Third Meeting of the Data Advisory Group

May 9, 2016
Chicago, IL

Members of the Data Advisory Group reviewed the primer and made suggestions for additional topics the Commission on the Future of Undergraduate Education may choose to address through occasional papers.

Participants

SANDY BAUM
Urban Institute

ELIZA BERG
American Academy of Arts and Sciences

JOHN SEELY BROWN
formerly, Xerox PARC Research

RONALD G. EHRENBerg
Cornell University

JONATHAN F. FANTON
American Academy of Arts and Sciences

J. MICHAEL LOCKE
formerly, Rasmussen Inc.

BRIDGET TERRY LONG
Harvard Graduate School of Education

ZACK MABEL
Harvard Graduate School of Education

MICHAEL S. MCPHERSON
Spencer Foundation

GAIL O. MELLOW
LaGuardia Community College

FRANCESCA PURCELL
American Academy of Arts and Sciences

JUDITH SCOTT-CLAYTON
Columbia University
Second Commission Meeting

May 10, 2016
Chicago, IL

Commission members reviewed the primer on the college student journey and discussed updates from four working groups focused on the following areas: 1) strengthening teaching and learning; 2) understanding the role of undergraduate education in fostering democracy; 3) reevaluating the concept of “college” in the midst of expanding postsecondary learning opportunities; and 4) considering discouraging trends and emerging opportunities in undergraduate education. The participants also deliberated over topics for forthcoming occasional papers and the priority themes to address in the Commission’s final report.

Participants

DEBORAH LOEWENBERG BALL
University of Michigan
School of Education

SANDY BAUM
Urban Institute

ELIZA BERG
American Academy of Arts and Sciences

REBECCA BLANK
University of Wisconsin-Madison

JOHN SEELY BROWN
formerly, Xerox PARC Research

CARL COHN
California Collaborative for Educational Excellence

MITCHELL E. DANIELS, JR.
Purdue University

JOHN DeGIOIA
Georgetown University

JONATHAN F. FANTON
American Academy of Arts and Sciences

ROGER W. FERGUSON, JR.
TIAA

FREEMAN HRABOWSKI
University of Maryland, Baltimore County

JENNIFER JENNINGS
New York University

ESPERANZA JOHNSON
Spencer Foundation

JEREMY JOHNSON
Andela

DAPHNE KOLLER
Coursera, Inc.

SHERRY LANSING
Sherry Lansing Foundation

NICHOLAS LEMANN
Columbia University

J. MICHAEL LOCKE
formerly, Rasmussen Inc.

ZACK MABEL
American Academy of Arts and Sciences

MICHAEL S. McPHERSON
Spencer Foundation

GAIL O. MELLOW
LaGuardia Community College

DIANA NATALICIO
University of Texas at El Paso

HILARY PENNINGTON
Ford Foundation

FRANCESCA PURCELL
American Academy of Arts and Sciences

BEVERLY TATUM
Spelman College

SHIRLEY TILGHMAN
Princeton University

MICHELLE WEISE
Southern New Hampshire University
In November 2014, the Academy received a bipartisan request from members of the United States Senate and House of Representatives to undertake a new study of the nation’s language education needs. Signed by Senators Tammy Baldwin (D-Wisconsin), Mark Kirk (R-Illinois), Orrin Hatch (R-Utah), and Brian Schatz (D-Hawaii), and Representatives Rush Holt (D-New Jersey), Leonard Lance (R-New Jersey), David Price (D-North Carolina), and Don Young (R-Alaska), the letters asked the Academy to provide answers to the following questions:

• How does language learning influence economic growth, cultural diplomacy, the productivity of future generations, and the fulfillment of all Americans?
• What actions should the nation take to ensure excellence in all languages as well as international education and research, including how may we use more effectively current resources to advance language attainment?

In response to this request, the Academy formed the Commission on Language Learning to examine the current state of language education, project what the nation’s education needs will be in the near future, and offer recommendations for ways to meet those needs. The Commission includes national leaders in primary, secondary, and higher education; in scientific and humanistic research; in business; and in government. The goal of the Commission is to provide policy-makers and the public with an assessment of national requirements for language learning and a range of options for improving and making more widely available a set of educational approaches to language learning that include federal, state, and local programs; best practices in primary, secondary, and higher education; workplace enrichment services; technological innovations; and a series of new partnerships.

Chair
PAUL LeCLERC
Columbia Global Center in Paris, Columbia University

Commission Members
MARTHA ABBOTT
American Council on the Teaching of Foreign Languages

MARK ARONOFF
Stony Brook University

JESSIE “LITTLE DOE” BAIRD
Wôpanâak Language Reclamation Project

DAVID S. C. CHU
Institute for Defense Analyses

DAN E. DAVIDSON
American Councils for International Education; Bryn Mawr College

NICHOLAS DIRKS
University of California, Berkeley

BRIAN EDWARDS
Northwestern University

KARL W. EIKENBERRY
Stanford University; U.S. Army, ret.

ROSEMARY G. FEAL
Modern Language Association

CAROL GLUCK
Columbia University

NANCY McELDOWNEY
Foreign Service Institute, U.S. Department of State

PHILIP RUBIN
Haskins Laboratories; formerly, White House Office of Science and Technology Policy

RUBEN G. RUMBAUT
University of California, Irvine

MARTA TIENDA
Princeton University

KENNETH L. WALLACH
Central National Gottesman Inc.

DIANE WOOD
U.S. Court of Appeals, Seventh Circuit

PAULINE YU
American Council of Learned Societies

Project Staff
JOHN TESITORE
JULIAN KRONICK
ESHA SENCHAUDHURI

Funders
Henry Luce Foundation
The Andrew W. Mellon Foundation
**Project Meetings and Workshops**

**First Commission Meeting**

**December 15, 2015**

American Academy  
Cambridge, MA

**Participants**

MARTHA ABBOTT  
American Council on the Teaching of Foreign Languages

MARK ARONOFF  
Stony Brook University

JESSIE “LITTLE DOE” BAIRD  
Wōpanâak Language Reclamation Project

DAVID S. C. CHU  
Institute for Defense Analyses

DAN E. DAVIDSON  
American Councils for International Education; Bryn Mawr College

KARL W. EIKENBERRY  
Stanford University; U.S. Army, ret.

JONATHAN F. FANTON  
American Academy of Arts and Sciences

ROSEMARY G. FEAL  
Modern Language Association

CAROL GLUCK  
Columbia University

PAUL LeCLERC  
Columbia Global Center in Paris, Columbia University

NANCY McELDOWNEY  
Foreign Service Institute, U.S. Department of State

HUNTER R. RAWLINGS III  
Association of American Universities

PHILIP RUBIN  
Haskins Laboratories; formerly, White House Office of Science and Technology Policy

RUBÉN G. RUMBAUT  
University of California, Irvine

ESHA SENCHAUDHURI  
American Academy of Arts and Sciences

JOHN TESSITORE  
American Academy of Arts and Sciences

DIANE WOOD  
U.S. Court of Appeals, Seventh Circuit

PAULINE YU  
American Council of Learned Societies

---

Philip Rubin (Haskins Laboratories), Martha Abbott (American Council on the Teaching of Foreign Languages), and Rosemary G. Feal (Modern Language Association)

Karl W. Eikenberry (Stanford University) and Dan E. Davidson (American Councils for International Education; Bryn Mawr College)
Project Meetings and Workshops

Second Commission Meeting

February 29, 2016
New York City, NY

Participants

MARTHA ABBOTT
American Council on the Teaching of Foreign Languages

MARK ARONOFF
Stony Brook University

JESSIE “LITTLE DOE” BAIRD
Wôpanâak Language Reclamation Project

DAN E. DAVIDSON
American Councils for International Education; Bryn Mawr College

NICHOLAS DIRKS
University of California, Berkeley

KARL W. EIKENBERRY
Stanford University; U.S. Army, ret.

JONATHAN F. FANTON
American Academy of Arts and Sciences

ROSEMARY G. FEAL
Modern Language Association

CAROL GLUCK
Columbia University

PAUL LeCLERC
Columbia Global Center in Paris, Columbia University

NANCY McELDOWNEY
Foreign Service Institute, U.S. Department of State

PHILIP RUBIN
Haskins Laboratories; formerly, White House Office of Science and Technology Policy

RUBÉN G. RUMBAUT
University of California, Irvine

ESHA SENCHAUDHURI
American Academy of Arts and Sciences

JOHN TESSITORE
American Academy of Arts and Sciences

MARTA TIENDA
Princeton University

PAULINE YU
American Council of Learned Societies

Third Commission Meeting

June 17, 2016
New York City, NY

Participants

MARTHA ABBOTT
American Council on the Teaching of Foreign Languages

MARK ARONOFF
Stony Brook University

JESSIE “LITTLE DOE” BAIRD
Wôpanâak Language Reclamation Project

DAVID S. C. CHU
Institute for Defense Analyses

DAN E. DAVIDSON
American Councils for International Education; Bryn Mawr College

NICHOLAS DIRKS
University of California, Berkeley

BRIAN EDWARDS
Northwestern University

KARL W. EIKENBERRY
Stanford University; U.S. Army, ret.

JONATHAN F. FANTON
American Academy of Arts and Sciences

ROSEMARY G. FEAL
Modern Language Association

CAROL GLUCK
Columbia University
The Lincoln Project:
Excellence and Access in Public Higher Education

Over the past three years, the Lincoln Project has studied the important role public research universities play in their communities and in the nation, analyzed economic trends affecting the operation of these universities, and recommended new strategies to sustain and strengthen these critical institutions.

In regional forums held around the country, the Lincoln Project has reached out to 145 public research universities and brought together local leaders representing public higher education, government, policy, business, and philanthropy to identify common concerns and advance innovative initiatives. Some of the topics discussed at these forums include:

• How public universities can address financial challenges while fulfilling their commitment to providing an accessible and affordable undergraduate education;
• How public universities can better measure and communicate the benefits for all residents – in terms of quality of life, cultural infrastructure, and direct economic benefits – of state investment in higher education; and
• What role the federal government, the business sector, and philanthropy should play in sustaining the excellence of America’s public research universities.

The project has published five publications that provide an overview of the current financial challenges as well as the significant achievements of public research universities. The first publication, Public Research Universities: Why They Matter, describes the benefits of public research universities as well as the changing demands on these institutions. The second publication, Changes in State Funding, examines state financing of higher education, describes the challenges that state governments face, and assesses the prospects for greater state support in the future. The third publication, Understanding the Financial Model, details the most common financial models that sustain public research universities, describes institutional responses to the changing financial climate, and examines new ideas for diversifying and enhancing funding sources in the future. The fourth publication, Serving the Public Good, describes the impact of public research universities on economic growth, civic engagement, scientific and technological discovery, and the well-being of individual students.

On April 7, 2016, the project released its fifth and final publication, Public Research Universities: Recommitting to Lincoln’s Vision – An Educational Compact for the 21st Century. This final report provides recommendations for stabilizing and strengthening the nation’s public research universities. An Educational Compact for the 21st Century recommends that public research universities pursue new revenue streams and cultivate partners from across the private and public sectors. Most importantly, the report formulates a new educational compact – a call for state and federal governments, universities, businesses, and philanthropic organizations to come together in support of America’s public research universities.

The Academy has disseminated broadly all five Lincoln Project publications to its membership, as well as to federal and state-level policy-makers and policy and higher education organizations. Over the next few months, the Lincoln Project will be holding events across the country with leaders and partners at the institutional, state, regional, and federal levels to discuss how to implement the project’s final recommendations.
The Lincoln Project: Excellence and Access in Public Higher Education, continued

Project Chairs
ROBERT J. BIRGENEAU
University of California, Berkeley
MARY SUE COLEMAN
University of Michigan

Advisors
LAWRENCE S. BACOW
Harvard Kennedy School
GENE D. BLOCK
University of California, Los Angeles
HENRY E. BRADY
University of California, Berkeley
PHILIP BREDESEN
former Governor of Tennessee
NANCY CANTOR
Rutgers University – Newark
JOHN T. CASTEEN III
University of Virginia
JONATHAN R. COLE
Columbia University
GRAY DAVIS
former Governor of California
J. PATRICK DOYLE
Domino’s Pizza, Inc.

E. GORDON GEE
West Virginia University
MATTHEW GOLDSTEIN
The City University of New York
DONALD GRAHAM
Graham Holdings Company
CARL GUARDINO
Silicon Valley Leadership Group
ROBERT D. HAAS
Levi Strauss & Co.
JIM HACKETT
Ford Smart Mobility, LLC
ANN WEAVER HART
University of Arizona
MICHAEL HOUT
New York University
KAY BAILEY HUTCHISON
former United States Senator, Texas
JIM LEACH
University of Iowa
EARL LEWIS
The Andrew W. Mellon Foundation
ANN MARIE LIPINSKI
Nieman Foundation for Journalism at Harvard University

GEORGE MILLER
former United States Representative, California
WILLIAM POWERS, JR.
University of Texas at Austin
JOHN ROGERS
Ariel Investments
THOMAS SIEBEL
C3; First Virtual Group
SHIRLEY M. TILGHMAN
Princeton University
PHYLLIS M. WISE
University of Illinois at Urbana-Champaign
FRANK YEARY
CamberView Partners LLC ; formerly, University of California, Berkeley
PAULINE YU
American Council of Learned Societies

Project Staff
SAMANTHA CARNEY
JOHN TESSITORE
ELIZA BERG

Funders
Carnegie Corporation of New York
Robert and Colleen Haas
The William and Flora Hewlett Foundation
The Thomas and Stacey Siebel Foundation
The Spencer Foundation

Publications
Public Research Universities: Recommending to Lincoln’s Vision – An Educational Compact for the 21st Century (American Academy of Arts and Sciences, 2016)
Public Research Universities: Serving the Public Good (American Academy of Arts and Sciences, 2016)
Public Research Universities: Understanding the Financial Model (American Academy of Arts and Sciences, 2016)
Public Research Universities: Changes in State Funding (American Academy of Arts and Sciences, 2015)
Public Research Universities: Why They Matter (American Academy of Arts and Sciences, 2015)
Project Meetings and Workshops

Regional Meeting

October 22, 2015
University of Oregon
Eugene, OR

Robert M. Berdahl (formerly, Association of American Universities), Philip Bredesen (former Governor of Tennessee), Scott Coltrane (University of Oregon), and Geraldine Richmond (University of Oregon) met with Academy members and faculty at the University of Oregon to discuss the role of public institutions in higher education.

Fifth Committee Meeting

November 2, 2015
American Academy
Cambridge, MA

Participants

ELIZA BERG
American Academy of Arts and Sciences

ROBERT J. BIRGENEAU
University of California, Berkeley

PHILIP BREDENES
former Governor of Tennessee

SAMANTHA CARNEY
American Academy of Arts and Sciences

JOHN T. CASTEEN III
University of Virginia

MARY SUE COLEMAN
University of Michigan

PATRICK DOYLE
Domino’s Pizza, Inc.

JONATHAN F. FANTON
American Academy of Arts and Sciences

MATTHEW GOLDSTEIN
The City University of New York

CARL GUARDINO
Silicon Valley Leadership Group

ROBERT D. HAAS
Levi Strauss & Co.

MICHAEL HOUT
New York University

JIM LEACH
University of Iowa

EARL LEWIS
The Andrew W. Mellon Foundation

JOHN TESSITORE
American Academy of Arts and Sciences

PHYLLIS M. WISE
University of Illinois at Urbana-Champaign

FRANK YEARY
CamberView Partners LLC; formerly, University of California, Berkeley

PAULINE YU
American Council of Learned Societies

Patrick Doyle (Domino’s Pizza, Inc.), Carl Guardino (Silicon Valley Leadership Group), and Robert D. Haas (Levi Strauss & Co.)

Pauline Yu (American Council of Learned Societies) and Earl Lewis (The Andrew W. Mellon Foundation)
Project Meetings and Workshops

Lincoln Project Symposium

January 28, 2016
University of Florida
Gainesville, FL

Speakers
ROBERT J. BIRGENEAU
University of California, Berkeley
KENT FUCHS
University of Florida

Stated Meeting–From Local to Global: Public Research Universities in the 21st Century

February 4, 2016
University of California, Los Angeles
Los Angeles, CA

Speakers
GENE BLOCK
University of California, Los Angeles
MARCEL SUÁREZ-OROZCO
University of California, Los Angeles
KIM A. WILCOX
University of California, Riverside

Regional Meeting

February 18, 2016
Louisiana State University
Baton Rouge, LA

Robert J. Birgeneau (University of California, Berkeley) met with Louisiana State University students and faculty and with Louisiana Tech President Les Guice and other state officials to discuss the Lincoln Project’s recommendations.

Regional Meeting

March 23, 2016
Nashville, TN

Project member Philip Bredesen (former Governor of Tennessee) hosted a conversation about the Lincoln Project with Tennessee state legislators and university leaders, including Lieutenant Governor Ron Ramsey, Speaker of the General Assembly Beth Harwell, and President of the University of Tennessee Joe DiPietro. Lincoln Project members also met with Tennessee Governor Bill Haslam to discuss the final report’s recommendations.
Project Meetings and Workshops

Stated Meeting–Public Research Universities: Serving the Public Interest in Michigan

April 4, 2016  
University of Michigan  
Ann Arbor, MI

Speakers

MARY SUE COLEMAN  
University of Michigan

PATRICK DOYLE  
Domino’s Pizza, Inc.

MARK S. SCHLISSEL  
University of Michigan

LOU ANNA K. SIMON  
Michigan State University

M. ROY WILSON  
Wayne State University

Public Release of Public Research Universities: Recommitting to Lincoln’s Vision–An Educational Compact for the 21st Century

April 7, 2016  
Washington, D.C.

Speakers

ROBERT J. BIRGENEAU  
University of California, Berkeley

PHILIP BREDESEN  
former Governor of Tennessee

MARY SUE COLEMAN  
University of Michigan

JONATHAN F. FANTON  
American Academy of Arts and Sciences

ROBERT D. HAAS  
Levi Strauss & Co.

GEORGE MILLER  
former United States Representative, California

Robert J. Birgeneau (University of California, Berkeley), George Miller (former U.S. Representative, California), Mary Sue Coleman (University of Michigan), Philip Bredesen (former Governor of Tennessee), and Robert D. Haas (Levi Strauss & Co.)

Jonathan F. Fanton (American Academy), Lamar Alexander (U.S. Senator, Tennessee), and Philip Bredesen (former Governor of Tennessee)
Roundtable Discussions and Briefings

April 7, 2016
Washington, D.C.

Lincoln Project members met with representatives from the Association of Public and Land-grant Universities, the Association of American Universities, the American Association of State Colleges and Universities, and the National Academies to discuss opportunities for organizational partnerships during the outreach phase of the project. Project leaders also met with staff from several Senate offices, including the offices of the Chairman and Ranking Member of the Senate Committee on Health, Education, Labor, and Pensions, Lamar Alexander (R-TN) and Patty Murray (D-WA), respectively; Dianne Feinstein (D-CA); Mark Kirk (R-IL); Barbara Boxer (D-CA); Susan Collins (R-ME); Johnny Isakson (R-GA); Orrin Hatch (R-UT); Bill Cassidy (R-LA); Jack Reed (D-RI); and Dick Durbin (D-IL). The roll-out events concluded with a program for Academy Fellows and project members and partners, and featured Senator Lamar Alexander, who spoke about the role of state and federal government in public higher education.

Regional Meeting

April 11, 2016
Austin, TX

Former U.S. Senator Kay Bailey Hutchison and University of Texas at Austin President Greg Fenves hosted a roundtable discussion with state higher education leaders, including Texas House Speaker Joe Straus.

Regional Meeting

April 20, 2016
American Academy
Cambridge, MA

Lincoln Project members met with university leaders and state policy-makers from Maine, New Hampshire, Vermont, Connecticut, and Massachusetts.

Project Briefing

April 27, 2016
American Academy
Cambridge, MA

Lincoln Project staff met with Academy members to discuss the recommendations in the project’s final report.
Commission on the Humanities and Social Sciences

In 2010, a bipartisan group of Congressional leaders called upon the Academy to organize an examination of the importance of the humanities and social sciences to American democracy and competitiveness. They asked the Academy to consider the following question:

What are the top actions that Congress, state governments, universities, foundations, educators, individual benefactors, and others should take now to maintain national excellence in humanities and social scientific scholarship and education, and to achieve long-term national goals for our intellectual and economic well-being; for a stronger, more vibrant civil society; and for the success of cultural diplomacy in the 21st century?

To meet this challenge, in 2011 the Academy established the Commission on the Humanities and Social Sciences. The Commission convened leaders from the sciences, business, public affairs, social sciences, humanities, and the arts to advance a new conversation about the importance of these disciplines to the nation’s intellectual and economic strength, its public institutions, and its civil society. The Commission’s report, The Heart of the Matter, was released on June 19, 2013.

Highlights of the Commission’s outreach include:

- Nearly 220,000 copies of The Heart of the Matter have been distributed online and in print to individuals and at large-scale humanities events across the country. The companion film has been viewed over 53,000 times online.
- Colleges and universities have used The Heart of the Matter to bolster their own humanities activities. Several national organizations have launched their own, complementary liberal arts initiatives.
- The Heart of the Matter report has also been used to inform the governing boards at academic associations, including the National Humanities Alliance, Federation of State Humanities Councils, Phi Beta Kappa, and the National Endowment for the Humanities.

A summary of the report’s impact, The Heart of the Matter Around the Country, was published in 2016.

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Exelon Corporation, ret.

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University of California, Berkeley
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former Governor of Tennessee
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formerly, Smithsonian Institution and Georgia Institute of Technology
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The J. Paul Getty Trust
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Washington University in St. Louis
KARL W. EILENBERG
Stanford University; U.S. Army, ret.
DREW GILPIN FAUST
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TIAA
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Harvard University
DANA GIOIA
University of Southern California; formerly, National Endowment for the Arts

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STEVEN KNAPP
The George Washington University
JOHN LITHGOW
Los Angeles, California

† Deceased
The Humanities Indicators

The Humanities Indicators are descriptive statistics that chart trends over time in aspects of the humanities that are of interest to a wide audience and for which there are available data. The Indicators provide data on a diverse array of topics pertaining to the role of the humanities in the contemporary United States. These topics are organized into five major parts:

- **Part I. Primary and Secondary Education in the Humanities**: These Indicators cover national measures of achievement at the primary and secondary school levels; high school course-taking; and the characteristics of primary and secondary faculty.
- **Part II. Undergraduate and Graduate Education in the Humanities**: The Indicators in this section focus on the types of courses undergraduate and graduate students take and the degrees they receive, and consider both preparedness for graduate school and the conditions of graduate education.
- **Part III. The Humanities Workforce**: These Indicators describe employment in humanistic settings and occupations, with emphasis on postsecondary faculty, and also the career paths of those with undergraduate and graduate degrees in the humanities.
- **Part IV. Humanities Funding and Research**: These Indicators include data on federal, state, and private funding for the humanities, as well as on support for academic research.
- **Part V. The Humanities in American Life**: The topics currently treated in this section include humanistic skills and practices, such as reading and multilingualism; support for and utilization of various humanistic institutions, such as libraries and museums; and public attitudes toward the humanities.

The Humanities Indicators are accessible at www.humanitiesindicators.org.
The Humanities Indicators, continued

**Project Director**
NORMAN M. BRADBURN
NORC at the University of Chicago

**Advisory Committee**
JACK BUCKLEY
College Board

JONATHAN R. COLE
Columbia University

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American Association of State and Local History

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Cornell University

MICHAEL HOUT
New York University

FELICE J. LEVINE
American Educational Research Association

ESTHER MACKINTOSH
Federation of State Humanities Councils

JUDITH TANUR
Stony Brook University

STEVEN WHEATLEY
American Council of Learned Societies

**Project Staff**
CAROLYN FUQUA

JOHN HAMMER

JOHN TESSITORE

ROBERT B. TOWNSEND

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The Andrew W. Mellon Foundation

National Endowment for the Humanities

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**With advice and assistance from:**
American Academy of Religion

American Council of Learned Societies

American Historical Association

American Political Science Association

College Art Association

Federation of State Humanities Councils

History of Science Society

Linguistic Society of America

Modern Language Association of America

National Communication Association

National Humanities Alliance

Society for Biblical Literature

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**Associate’s Degree Completion, by field, 1987 – 2014**

**Numbers of Postsecondary Faculty Teaching in Selected Academic Fields, 1999 – 2015**
Project Meetings and Workshops

Advancing Research on Humanities Education in the Nation’s Community Colleges

December 15, 2015
Washington, D.C.

Participants

MARLISA AUSTIN
Jefferson Community & Technical Colleges

DAVID BERRY
Essex County College (NJ); Community College Humanities Association

NORMAN BRADBURN
NORC at the University of Chicago

JEFF CLAUSEN
Green River Community College

STELLA M. FLORES
New York University

TANYA I. GARCIA
Wiki Education Foundation

SUNIL IYENGAR
National Endowment for the Arts

MARTHA KANTER
New York University

LESLEY A. LANGA
National Endowment for the Humanities

FELICE J. LEVINE
American Educational Research Association

CHARLES (GREG) MORRIS
El Centro College

JULIA NGUYEN
National Endowment for the Humanities

EMILDA B. RIVERS
National Science Foundation

ANDREW RUSNAK, JR.
Community College of Baltimore County; Community College Humanities Association

FRANK SHAW
National Endowment for the Humanities

JEFFREY THOMAS
National Endowment for the Humanities

SHARON THOMPSON
Community College of Philadelphia

Bachelor’s Degree Completions in the Humanities, 1948 – 2014

Rates of Historic Park and Monument Visitation, by Birth Cohort
The Exploratory Fund supports members who want to work together to look over the horizon for issues and opportunities not well understood, to think of problems in a fresh way, and to search for connections between research and policy that advance the common good. By encouraging smaller scale initiatives in a variety of venues, the Academy assists members in pursuing the subjects that concern them most.

The Exploratory Fund provides support for a limited number of projects each year. These funds can be used to cover costs associated with the organization of meetings, symposia, and conferences that can be held at the Academy’s headquarters in Cambridge, at the home institutions of interested members, or at other locations relevant to discussion topics. Recipients also receive the organizational and logistical support of the Academy staff.

**Funders**

- Arnhold Foundation
- John F. Cogan, Jr.
- Michael E. Gellert
- Bob and Kristine Higgins
- Carl and Betty Pforzheimer
- William Poorvu
- Kenneth L. and Susan S. Wallach

**Recent Exploratory Initiatives include:**

**Making Justice Accessible**

*Exploratory Meeting*

November 11 – 12, 2015

Cambridge, MA

By some estimates, only 20 percent of all Americans who qualify for legal aid receive the kind of support they require. Millions who cannot afford an attorney are being turned away by legal aid providers who are challenged by increasing demand and dwindling resources. To address these critical issues, over fifty participants – including state and federal judges, distinguished legal scholars, litigators, and other experts – met at the Academy to define the issues, consider existing scholarship, and identify possible responses. The meeting revealed that the legal community does not have enough reliable and accessible data to be able to address adequately the scope and variety of the crisis in legal services. A new project that follows from this exploratory meeting will assess current data collection efforts and existing data sets as well as address which data are missing in order to advance discussions about civil legal aid and direct future policy decisions.

Maureen O’Connor (Supreme Court of Ohio), Nathan Hecht (Texas Supreme Court), Mark Recktenwald (Supreme Court of Hawaii), Martha Minow (Harvard Law School), Jonathan Lippman (Latham & Watkins), Ralph Gants (Massachusetts Supreme Judicial Court)
Exploratory Initiatives

Making Justice Accessible, continued

Chairs
JOHN LEVI
Legal Services Corporation
LANCE LIEBMAN
Columbia Law School
MARTHA MINOW
Harvard Law School

Participants
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American Academy of Arts and Sciences
LISA FOSTER
U.S. Department of Justice

JOHN MARK HANSEN
University of Chicago
BEN HEINEMAN
Harvard University
WILLIAM HUBBARD
American Bar Association
JONATHAN LIPPMAN
New York Court of Appeals
VICTOR MARRERO
United States District Court, Southern District of New York
MARGARET MARSHALL
Massachusetts Supreme Judicial Court, ret.

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Duke University Law School
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Locke Liddell & Sapp
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K&L Gates, ret.
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Supreme Court of Hawaii
JUDITH RESNIK
Yale Law School
JAMES J. SANDMAN
Legal Services Corporation

GEOFFREY R. STONE
University of Chicago Law School
DAVID TATEL
United States Court of Appeals, District of Columbia Circuit
STEPHEN JOEL TRACHTENBERG
George Washington University
DAVID WILKINS
Harvard Law School
DIANE WOOD
United States Court of Appeals, Seventh Circuit

The Future of Jazz in America

Exploratory Meeting
May 18 – 19, 2016
Cambridge, MA

The Academy held an exploratory meeting to address the challenging economics of jazz – from the struggling recording industry to the decline in the number of performance venues – as well as new opportunities for educational institutions and other organizations to broaden access to jazz education for young people. The meeting brought together a small group of experts from diverse backgrounds – musicians, business leaders, historians, among others – to examine the fundamental challenges facing the jazz community, including the impacts of social and technological change, and identify model educational programs that can be transferred to parts of the country that currently offer few learning opportunities for jazz appreciation.

Chairs
WILLIAM DAMON
Stanford University
FELTON EARLS
Harvard University

Participants
PAULINE BILSKY
JazzBoston
ROBERT BLOCKER
Yale University

TESSIL COLLINS
Jazz 24/7, WGBH
STEPHEN DANIEL
Seyron Partners, LLC
GERALD EARLY
Washington University in St. Louis
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American Academy of Arts and Sciences
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WGBH Jazz Radio

SEAN JONES
Berklee College of Music
INGRID MONSON
Harvard University
MARTIN MUeller
The New School
JAMES NADEL
Stanford University
ROBERT O’MEALLY
Columbia University

TIM OWENS
NPR Jazz
MEGHAN STABLE
Revive Music Group
TOD STOLL
Jazz at Lincoln Center
JUDITH TICK
Northeastern University
Bridging the Gap between Area and Global Studies

Exploratory Meeting
March 6 – 7, 2016
Cambridge, MA

The Academy convened a meeting to discuss the long-standing tensions and growing gap between area and global studies. The political and historical contexts in which they were formed – World War II and the Cold War for area studies; the increased globalization of the capitalist world order, intensified in the post–Cold War decades, for global studies – have decisively shaped their epistemological focus and cemented the way in which universities organize local and global knowledge. Redefining the parameters of the conversation and rethinking the structure of universities’ centers and departments are critical steps if scholars in global and area studies are to contribute maximally to the advancement of the arts, sciences, and professions.

Chair
ARTHUR KLEINMAN
Harvard University

Participants
EMMANUEL AKYEAMPONG
Harvard University
NEZAR ALSAYYAD
University of California, Berkeley
PATRICIA BIERMAYR-JENZANO
Georgetown University
GRZEGORZ EKIERT
Harvard University
MARK ELLIOTT
Harvard University
JONATHAN F. FANTON
American Academy of Arts and Sciences

THEODORE GERBER
University of Wisconsin-Madison
ANDREW HURRELL
Oxford University
VERA JELINEK
New York University
SALMAAN KESHAVJEE
Harvard Medical School
MICHELE LAMONT
Harvard University
CYNTHIA MILLER-IDRISS
American University
HENRY ROsovsky
Harvard University
HAUN SAUSSY
University of Chicago
MITCHELL STEVENS
Stanford University
KAREN THORNBER
Harvard University
EZRA VOGEl
Harvard University

Understanding the New Nuclear Age

Exploratory Meeting
June 19, 2015
Cambridge, MA

At a meeting at the House of the Academy, a group of experts in international security examined recent changes in the dynamics of the nuclear order, explored the effect of new technologies on nuclear strategies, and assessed how future arms control agreements may be designed in order to address these contextual changes. The exploratory meeting focused on how the dynamics of the nuclear order have shifted since the first nuclear age; explored how nuclear calculations are being impacted by technological developments in both the nuclear and conventional spaces, and by geostrategic crises involving nuclear powers; and assessed how future arms control agreements may be designed in order to address these contextual changes.

Chair
ROBERT LEGVOLD
Columbia University

Participants
JAMES ACTON
Carnegie Endowment for International Peace
FRANCESCA GIOVANNINI
American Academy of Arts and Sciences

CATHERINE KELLEHER
University of Maryland; Brown University
MICHAEL KREPON
The Stimson Center
KATHRYN MOFFAT
American Academy of Arts and Sciences
BARRY POSEN
Massachusetts Institute of Technology
MICHAEL SWAINE
Carnegie Endowment for International Peace
NINA TANNENWALD
Brown University
Preserving Intellectual Legacies

Exploratory Meeting
September 22 – 23, 2016
Cambridge, MA

Participants discussed the following questions and issues: How (if at all) will future generations of scholars and interested members of the public be able to access and appreciate the contributions that scholars have made to the advancement of knowledge? Will those works get lost as copies now on physical bookshelves of libraries have to compete with virtual bookshelves, full of new electronic resources that are more easily discovered and accessed online? Will the long terms of copyright protection impede efforts to enable broader access to important scholarship? How can authors avoid the prospect of intellectual oblivion in the digital age? What are the obstacles to creating a universally accessible digital library and how can these obstacles be overcome?

Chairs

ROBERT DARNTON
Harvard University

CARLA HESSE
University of California, Berkeley

PAMELA SAMUELSON
University of California, Berkeley

Native Americans in Academia

Exploratory Meeting
August 21 – 23, 2016
Cambridge, MA

An exploratory meeting at the House of the Academy brought together Native American and non-Native scholars in a range of intellectual fields to discuss three major themes: 1) the future of Native American students and scholars as a critical part of academia, from the tribal and community college to the liberal arts college, research university, and scholarly association; 2) the past, present, and future intellectual directions for scholarship that concerns itself with American Indian people; and 3) the ways in which higher education, through a serious engagement with Native American issues, might discover new models for thinking about social diversity and the politics and law that address the burdens of American history.

Chairs

NED BLACKHAWK
Yale University

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Arizona State University

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University of Michigan

LOREN GHIGLIONE
Northwestern University

K. TSIAININA LOMAWAIMA
Arizona State University

DOUGLAS MEDIN
Northwestern University

MARK TRAHANT
University of North Dakota

Collaborative on Autism and Sign Language

Exploratory Meeting
December 11 – 13, 2015
Cambridge, MA

At a meeting at the House of the Academy, the Collaborative on Autism and Sign Language brought together linguists who have devoted their careers to the study of sign languages; researchers examining Autism Spectrum Disorder, especially from a communicative perspective; and researchers who are exploring the connection between the two areas. The meeting advanced novel hypotheses about the emergence of communication in autism by leveraging methods and insights from sign language research.

Chairs

MARK ARONOFF
State University of New York at Stony Brook

SUSAN GOLDEN MEADOW
University of Chicago

CHARLES NELSON
Harvard University
Forthcoming

R2P: Cultural Heritage
Exploratory Meeting
November 29 – December 1, 2016
London, United Kingdom

Using an analogy to the Responsibility to Protect norm adopted by the United Nations in 2005, which says that when nations are unable to protect their citizens – or are the source of the problem – they yield sovereignty to the international community, the Academy will convene a group of world renowned museum directors and specialists in international law and doctrine formation to discuss what role the international community at large could play in protecting the cultural heritage of countries in warfare. Most specifically, the meeting will investigate whether the existing international norm of Responsibility to Protect could be applicable to contexts in which the historical and artistic patrimonies of countries might be in jeopardy.

Organizer
JAMES CUNO
J. Paul Getty Trust

Women and Gender
Exploratory Meeting
December 10, 2016
Cambridge, MA

The Academy will convene an exploratory meeting with scholars and policy-makers from around the world to assess the current debate on issues related to gender equality and to discuss how women’s roles have changed both in American society and internationally. The meeting will investigate what has propelled women to virtual equality in some domains but less than full equality in many others.

Organizers
NANNERL O. KEOHANE
Princeton University
FRANCES MccALL ROSENBLUTH
Yale University

Science and the Legal System
Exploratory Meeting
Spring 2017
Cambridge, MA

As science and technology become more intertwined in our society, a greater number of scientists, engineers, and medical experts are called on to testify about technical issues in courts of law. Well-grounded legal decision-making on many issues increasingly depends on expert scientific and engineering assistance. However, science and law frequently seem incompatible. Respected scientists are often reluctant to become involved with the legal system, and when they are willing to share their expertise, their unfamiliarity with the legal terrain may leave them unprepared for effective participation in legal settings. Courts regularly exclude or limit testimony from experts. The goal of this exploratory meeting is to bring together scientists and legal experts to understand and recommend ways to improve the relationship between science and the legal system. This meeting is part of a larger Academy initiative on the Public Face of Science, which is exploring the complex and evolving relationship between scientists and the public.

Organizers
SHARI DIAMOND
Northwestern University
RICHARD LEMPERT
University of Michigan
The Academy’s Regional Program Committees are charged with bringing local members together to advise on current Academy projects; to elevate the impact of Academy reports and publications; to explore topics of interest at the local or national level; and to provide opportunities for social and intellectual connection. The Academy has formed committees in Boston-Cambridge, New Haven, Philadelphia, Princeton, Los Angeles, and San Diego and is establishing new Regional Program Committees in New York, Chicago, Washington, D.C., North Carolina, the San Francisco Bay Area, and Texas.

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<th>San Diego Program Committee</th>
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Princeton University  | GORDON N. GILL, Chair  
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School of Medicine  |
| HAROLD VINCENT POOR  
Princeton University  | DAVID A. LAKE  
University of California, San Diego  |
| MARTA TIENDA  
Princeton University  | THOMAS LEVY  
University of California, San Diego  |
| MICHAEL WOOD  
Princeton University  | J. ANDREW McCAMMON  
University of California, San Diego  |
| FROMA I. ZEITLIN  
Princeton University  | DONALD A. NORMAN  
University of California, San Diego  |

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<tr>
<th>Princeton Program Committee</th>
<th>San Diego Program Committee</th>
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| J. ANDREW McCAMMON  
University of California, San Diego  | JERROLD M. OLEFSKY  
University of California, San Diego  
School of Medicine  |
| DONALD A. NORMAN  
University of California, San Diego  | LARRY R. SQUIRE  
University of California, San Diego  
School of Medicine  |
| JERROLD M. OLEFSKY  
University of California, San Diego  
School of Medicine  | SUSAN S. TAYLOR  
University of California, San Diego  
School of Medicine  |
| LARRY R. SQUIRE  
University of California, San Diego  
School of Medicine  | GEOFFREY M. WAHL  
Salk Institute for Biological Studies  |
| JOHN B. WEST  
University of California, San Diego  
School of Medicine  |  |
Committee Programs

Cambridge, MA
November 5, 2015
House of the Academy, Cambridge, MA
Boston-Cambridge Planning Committee Luncheon

April 5, 2016
House of the Academy, Cambridge, MA
Boston-Cambridge Planning Committee Luncheon

Los Angeles, CA
August 9, 2016
Los Angeles, CA
Los Angeles Program Committee Luncheon

New Haven, CT
May 13, 2016
Trumbull Master’s College, Yale University
New Haven Program Committee Luncheon

Philadelphia, PA
October 5, 2015
Annenberg Public Policy Center, University of Pennsylvania
The Public Face of Research
Featured Speakers:
Kathleen Hall Jamieson (University of Pennsylvania), Nora Newcombe (Temple University), Rogers Smith (University of Pennsylvania), Jean-Michel Rabaté (University of Pennsylvania), and Laurence Steinberg (Temple University)

March 25, 2016
Annenberg Public Policy Center, University of Pennsylvania
Science and the Legal System
Featured Speakers:
Kathleen Hall Jamieson (University of Pennsylvania), Nora Newcombe (Temple University), Dan Kahan (Yale Law School; University of Pennsylvania), and Martha Farah (University of Pennsylvania)

San Diego, CA
December 11, 2015
University of California, San Diego Faculty Club
San Diego Program Committee Luncheon

February 1, 2016
University of California, San Diego Faculty Club
San Diego Program Committee Luncheon

February 25, 2016
University of California, San Diego Faculty Club
Neuroscience and Architecture
Featured Speakers:
Thomas D. Albright (Salk Institute for Biological Studies) and Michael A. Arbib (University of Southern California)

May 12, 2016
University of California, San Diego Faculty Club
At-Risk World Heritage
Featured Speakers:
Thomas Levy (University of California, San Diego), Larry Smarr (University of California, San Diego), and Willeke Wendrich (University of California, Los Angeles)

Princeton, NJ
March 24, 2016
Princeton University
Prospects for Change in Cuba
Featured Speakers:
Rubén Gallo (Princeton University), Stanley Katz (Princeton University), and Alan Krueger (Princeton University)
The Academy hosts discussion groups, book talks, and presentations by Fellows and scholars at its headquarters in Cambridge, Massachusetts.

**Africa Discussion Group**

The Academy’s Africa Discussion Group met monthly from September 2015 through May 2016. Led by Robert Rotberg (Founding Director, Program on Intrastate Conflict at the Harvard Kennedy School and President Emeritus of the World Peace Foundation), the group examined Africa’s progress and evaluated its prospects for a sustainable future.

**Meetings**

- **September 11, 2015**
  House of the Academy
  Inaugural Meeting
  *Featured Speaker:*
  Robert Rotberg (Harvard University; World Peace Foundation)

- **October 16, 2015**
  House of the Academy
  Climate Change
  *Featured Speaker:*
  Michael McElroy (Harvard University)

- **November 13, 2015**
  House of the Academy
  Urbanization
  *Featured Speaker:*
  Edward Glaeser (Harvard University)

- **December 11, 2015**
  House of the Academy
  *Governance, Corruption, and Rule of Law*
  *Featured Speakers:*
  Robert Rotberg (Harvard University; World Peace Foundation) and Mark Tushnet (Harvard Law School)

- **January 8, 2016**
  House of the Academy
  *Public Health*
  *Featured Speakers:*
  Barry Bloom (Harvard School of Public Health), Felton Earls (Harvard School of Public Health; Harvard Medical School), and Joseph Martin (Harvard Medical School)

- **February 12, 2016**
  House of the Academy
  Education
  *Featured Speakers:*
  Robert Levine (Harvard University) and Catherine Snow (Harvard University)

- **March 11, 2016**
  House of the Academy
  *Peace and War, Civil Conflict, and Refugees*
  *Featured Speaker:*
  Robert Rotberg (Harvard University; World Peace Foundation)

- **April 8, 2016**
  House of the Academy
  Energy and Food Production
  *Featured Speakers:*
  Robert Rotberg (Harvard University; World Peace Foundation) and Bruno Coppi (Massachusetts Institute of Technology)

- **May 13, 2016**
  House of the Academy
  Final Meeting
  *Featured Speaker:*
  Robert Rotberg (Harvard University; World Peace Foundation)
Friday Forum

The Friday Forum series brings together academic and cultural leaders from the greater Boston area to discuss issues of timely concern, new books, and recently completed research. Robert Campbell (architecture critic, The Boston Globe) chairs and moderates the group discussion.

Meetings

November 6, 2015
House of the Academy
Lincoln and the Jews: A Surprising History
Featured Speaker:
Jonathan Sarna (Brandeis University)

December 4, 2015
House of the Academy
Heroic: Concrete Architecture and the New Boston
Featured Speakers:
Michael Kubo and Mark Pasnik (both, pinkcomma gallery)

February 8, 2016
House of the Academy
Did Dark Matter Kill the Dinosaurs?
Featured Speaker:
Lisa Randall (Harvard University)

March 4, 2016
House of the Academy
Symbols from History: What is the Intellectually Honest and Morally Right Way to Deal with Inflammatory Symbols from our Past?
Featured Speaker:
Daniel Coquillette (Boston College; Harvard University)

April 1, 2016
House of the Academy
What DNA Can Tell Us About Human Origins
Featured Speaker:
Robert Weinberg (Massachusetts Institute of Technology; Whitehead Institute for Biomedical Research)

May 6, 2016
House of the Academy
Why are Americans so Angry? The Politics of Economic Stagnation
Featured Speaker:
Benjamin Friedman (Harvard University)

June 3, 2016
House of the Academy
Jean-Antoine Houdon and His Portraits of Americans
Featured Speaker:
Anne Poulet (The Frick Collection)

Book Talks

During the year, the Academy hosted several discussions of members’ new books. Members who are visiting the Cambridge area are invited to give a talk at the House of the Academy about their recent books.

February 8, 2016
House of the Academy
Let the People Rule: Theodore Roosevelt and the Birth of the Presidential Primary
Featured Speaker:
Geoffrey Cowan (University of Southern California; Annenberg Foundation Trust at Sunnylands)

March 10, 2016
House of the Academy
Connect: How Companies Can Succeed by Engaging Radically with Society
Featured Speaker:
John Browne (L1 Energy; formerly, BP)

June 24, 2016
House of the Academy
Five Easy Theses: Commonsense Solutions to America’s Greatest Economic Challenges
Featured Speaker:
James Stone (Plymouth Rock Companies)
The Academy hosts meetings and events around the country, where members come together to address social and intellectual issues of common concern. The programs highlight Academy projects and publications, feature members’ research, work, and writings, and often generate ideas for new Academy studies.

**San Francisco, California**

**February 1, 2016**

UCSF Mission Bay

*Luncheon with Academy Members and Discussion of Public Face of Science project*

Featured Speakers: Bruce Alberts (University of California, San Francisco), Keith R. Yamamoto (University of California, San Francisco)

**Berkeley, California**

**November 11, 2015**

Bancroft Hotel

*Inaugural Distinguished Morton L. Mandel Annual Public Lecture*

*Making Justice Accessible*

Featured Speakers: David Oppenheimer (University of California, Berkeley School of Law); via video: Diane P. Wood (U.S. Court of Appeals for the Seventh Circuit), Goodwin Liu (California Supreme Court), David S. Tatel (U.S. Court of Appeals for the District of Columbia Circuit)

**February 1, 2016**

University of California, Berkeley

*Morton L. Mandel Public Lecture*

*Consensus & Controversy in Science: Genes, GMOs & Climate*

Featured Speakers: Randy W. Schekman (University of California, Berkeley), Jennifer Doudna (University of California, Berkeley), Richard A. Muller (University of California, Berkeley; Lawrence Berkeley National Laboratory), Pamela Ronald (University of California, Davis; The Joint Bioenergy Institute)

**Palo Alto, California**

**June 30, 2015**

Stanford University

*Writing About War*

in collaboration with the Center for International Security and Cooperation, Stanford University, and Stanford Live

Featured Speakers: Scott D. Sagan (Stanford University), Natasha Trethewey (Emory University), Phil Klay (Author and Veteran, U.S. Marine Corp)

**February 2, 2016**

Stanford University

*Water: California in a Global Context*

Featured Speakers: Christopher B. Field (Carnegie Institution for Science; Stanford University), Anna M. Michalak (Carnegie Institution for Science; Stanford University), Joya Banerjee (S. D. Bechtel, Jr. Foundation), Holly Doremus (UC Berkeley School of Law), Isha Ray (University of California, Berkeley), Annie Maxwell (Skoll Global Threats Fund)

**May 19, 2016**

Stanford University

*2016 Distinguished Morton L. Mandel Annual Public Lecture*

*The Comprehensive Nuclear-Test-Ban Treaty at 20*

Featured Speakers: Scott D. Sagan (Stanford University); via video: Arun Rath (NPR; WGBH), Lassina Zerbo (Comprehensive Nuclear-Test-Ban Treaty Organization), Rose E. Gottemoeller (U.S. Department of State), Siegfried Hecker (Stanford University), Robert Rosner (University of Chicago)
Phil Klay (author; veteran of the U.S. Marine Corps), Natasha Trethewey (U.S. Poet Laureate; Emory University), and Scott D. Sagan (Stanford University) in a conversation about war, ethics, and peace at an Academy program on “Writing about War,” hosted in collaboration with CISAC at Stanford University.

Daphne Koller (Coursera, Inc.; Stanford University), Kevin Guthrie (ITHAKA), Nicholas Lemann (Columbia University Graduate School of Journalism), and Matthew Santirocco (New York University) discuss the evolving role of technology in higher education at a Stated Meeting at New York University.

2015 Induction Ceremony speakers Phil S. Baran (The Scripps Research Institute), Sally Haslanger (MIT), Darren Walker (Ford Foundation), Patricia Churchland (University of California, San Diego; Salk Institute for Biological Studies), and Roland G. Fryer, Jr. (Harvard University)

The Poetry of Walt Whitman and Allen Ginsberg: for Baritone and String Quartet, featuring Bonnie Costello (Boston University) and a performance by David Kravitz (Baritone) and the Arneis Quartet

Alexei V. Filippenko (University of California, Berkeley) discusses “Exploding Stars and the Accelerating Universe” during the 2015 Induction weekend.

Induction 2015: A Celebration of the Arts and Humanities, featuring Thomas Cummins (Harvard University), Edward Mendelson (Columbia University), Annie Proulx (Carnation, Washington), Jay Xu (Asian Art Museum of San Francisco), Françoise Meltzer (University of Chicago), Holland Cotter (The New York Times), George Lewis (Columbia University), and Anne Fadiman (Yale College)
Los Angeles, California
February 4, 2016
University of California, Los Angeles
From Local to Global: Public Research Universities in the 21st Century
Featured Speakers: Gene Block (University of California, Los Angeles), Marcelo Suárez-Orozco (UCLA Graduate School of Education & Information Studies), Kim A. Wilcox (University of California, Riverside)

Pasadena, California
February 4, 2016
California Institute of Technology
Luncheon with Academy Members and Discussion of Public Face of Science project
Featured Speakers: Don Randel (American Academy of Arts and Sciences), Thomas Rosenbaum (California Institute of Technology)

San Diego, California
October 21, 2015
Sanford Consortium for Regenerative Medicine
Scientific Advances and their Impact on Society
Featured Speakers: Lawrence Goldstein (University of California, San Diego School of Medicine), J. Craig Venter (Human Longevity, Inc.), Lisa Madlensky (University of California, San Diego Medical Center), John Evans (University of California, San Diego), Gordon Gill (University of California, San Diego School of Medicine)

Eugene, Oregon
October 22, 2015
University of Oregon
The Role of Public Institutions in Higher Education
Featured Speakers: Robert M. Berdahl (formerly, Association of American Universities), Philip Bredesen (former Governor of Tennessee), Scott Coltrane (University of Oregon), Geraldine Richmond (University of Oregon)

Ann Arbor, Michigan
April 4, 2016
University of Michigan
Public Research Universities: Serving the Public Interest in Michigan
Featured Speakers: Mark S. Schlissel (University of Michigan), Mary Sue Coleman (University of Michigan), Patrick Doyle (Domino’s Pizza, Inc.), M. Roy Wilson (Wayne State University), Lou Anna K. Simon (Michigan State University)

Chicago, Illinois
November 11, 2015
Skadden, Arps, Slate, Meagher & Flom LLP & Affiliates
Inaugural Distinguished Morton L. Mandel Annual Public Lecture
Making Justice Accessible
Featured Speakers: Diana C. White (LAF); via video: Diane P. Wood (U.S. Court of Appeals for the Seventh Circuit), Goodwin Liu (California Supreme Court), David S. Tatel (U.S. Court of Appeals for the District of Columbia Circuit)

May 10, 2016
University of Chicago
Morton L. Mandel Public Lecture
Creation and Destruction: Managing the Benefits and Risks of Nuclear, Biological, and Information Technologies
Featured Speakers: James M. Acton (Carnegie Endowment for International Peace), Elisa D. Harris (Center for International and Security Studies at Maryland), Herbert Lin (Stanford University), Robert Rosner (University of Chicago)
May 19, 2016  
University of Chicago  

**2016 Distinguished Morton L. Mandel Annual Public Lecture**  
The Comprehensive Nuclear-Test-Ban Treaty at 20  
Featured Speakers: Rachel Bronson (*Bulletin of the Atomic Scientists*); via video: Arun Rath (NPR; WGBH), Lassina Zerbo (Comprehensive Nuclear-Test-Ban Treaty Organization), Rose E. Gottemoeller (U.S. Department of State), Siegfried Hecker (Stanford University), Robert Rosner (University of Chicago)  

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### Evanston, Illinois  
May 9, 2016  
Northwestern University  
Member Gathering  

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### Nashville, Tennessee  
March 23, 2016  
Member Gathering  

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### Miami, Florida  
January 18, 2016  
Member Gathering  

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### Naples, Florida  
January 15, 2016  
Member Gathering  

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### Palm Beach, Florida  
January 17, 2016  
Member Gathering  

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### Washington, D.C.  
October 20, 2015  
Senate Visitor Center  

**Innovation: An American Imperative**  
Featured Speakers: Norman R. Augustine (Lockheed Martin Corporation, ret.), John D. Evans (Lockheed Martin Corporation), Roger M. Perlmutter (Merck & Co., Inc.; Merck Research Laboratories), Jeannette M. Wing (Microsoft Research)  

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### November 11, 2015  
20 F Street NW Conference Center  

**Inaugural Distinguished Morton L. Mandel Annual Public Lecture**  
Making Justice Accessible  
Featured Speakers: Jane H. Aiken (Georgetown University Law Center); via video: Diane P. Wood (U.S. Court of Appeals for the Seventh Circuit), Goodwin Liu (California Supreme Court), David S. Tatel (U.S. Court of Appeals for the District of Columbia Circuit)  

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### December 4, 2015  
Georgetown University  

**The Crisis in Legal Education**  
Featured Speakers: William Michael Treanor (Georgetown University Law Center), Louis Michael Seidman (Georgetown University Law Center), Robert A. Katzmann (U.S. Court of Appeals for the Second Circuit), Phillip G. Schrag (Georgetown University Law Center), Robin L. West (Georgetown University Law Center), Patricia D. White (University of Miami School of Law)  

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### April 7, 2016  
Washington, D.C.  

Featured Speakers: Lamar Alexander (U.S. Senate), Robert Birgeneau (University of California, Berkeley), Philip Bredesen (former Governor of Tennessee), Mary Sue Coleman (University of Michigan), Jonathan F. Fanton (American Academy), Robert D. Haas (Levi Strauss & Co.), George Miller (formerly, U.S. House of Representatives)
PROJECTS, PUBLICATIONS & MEETINGS

John Evans (University of California, San Diego), Lisa Madlensky (UCSD Medical Center and UCSD Moores Cancer Center), J. Craig Venter (Human Longevity, Inc.), and Lawrence Goldstein (UCSD School of Medicine, UCSD Stem Cell Program, Sanford Consortium)

May 19, 2016
James Martin Center for Nonproliferation Studies
2016 Distinguished Morton L. Mandel Annual Public Lecture
The Comprehensive Nuclear-Test-Ban Treaty at 20
Featured Speakers: Leonard S. Spector and Chen Kane (both, James Martin Center for Nonproliferation Studies); via video: Arun Rath (NPR; WGBH), Lassina Zerbo (Comprehensive Nuclear-Test-Ban Treaty Organization), Rose E. Gottemoeller (U.S. Department of State), Siegfried Hecker (Stanford University), Robert Rosner (University of Chicago)

New York City
September 17, 2015
New York University
The Evolving Role of Technology in Higher Education
Featured Speakers: Kevin Guthrie (ITHAKA), Daphne Koller (Coursera, Inc.; Stanford University), Nicholas Lemann (Columbia University Graduate School of Journalism), Matthew S. Santirocco (New York University)

November 11, 2015
Skadden, Arps, Slate, Meagher & Flom LLP & Affiliates
Inaugural Distinguished Morton L. Mandel Annual Public Lecture
Making Justice Accessible
Featured Speakers: David M. Zornow (Skadden, Arps, Slate, Meagher & Flom LLP & Affiliates); via video: Diane P. Wood (U.S. Court of Appeals for the Seventh Circuit), Goodwin Liu (California Supreme Court), David S. Tatel (U.S. Court of Appeals for the District of Columbia Circuit)

December 7, 2015
Columbia University
Fear and Democracy: Reflections on Security and Freedom
Featured Speakers: Ira Katznelson (Columbia University; Social Science Research Council), Samuel Issacharoff (New York University School of Law)

Louis Michael Seidman (Georgetown University Law Center), Robert A. Katzmann (U.S. Court of Appeals, Second Circuit), Phillip G. Schrag (Georgetown University Law Center), Robin L. West (Georgetown University Law Center), and Patricia D. White (University of Miami School of Law) at a panel discussion at the Georgetown University Law Center on “The Crisis in Legal Education”
Meetings and Events

May 16, 2016
Century Association
Reception for New York-Area Members and Welcome Newly Elected Members

New Haven, Connecticut
January 25, 2016
Yale University
The Public Face of Research
Featured Speakers: Peter Salovey (Yale University), Margaret Clark (Yale University), Steven Girvin (Yale University), Joseph Roach (Yale University), Frances Rosenbluth (Yale University), Geneva Overholser (The Democracy Fund; formerly, USC Annenberg School for Communication and Journalism)

Cambridge, Massachusetts
October 9, 2015
Harvard University
A Celebration of the Arts and Humanities
Featured Speakers and Performers: Anne Fadiman (Yale College), George Lewis (Columbia University), Holland Cotter (The New York Times), Jay Xu (Asian Art Museum of San Francisco), Françoise Meltzer (University of Chicago), Edward Mendelson (Columbia University), Thomas Cummins (Harvard University), Annie Proulx (Carnation, Washington)

October 10, 2015
House of the Academy
2015 Induction Ceremony
Featured Speakers: Phil S. Baran (The Scripps Research Institute), Sally Haslanger (Massachusetts Institute of Technology), Darren Walker (Ford Foundation), Patricia Smith Churchland (University of California, San Diego; Salk Institute for Biological Studies), Roland G. Fryer, Jr. (Harvard University), Vicki Sant (The Summit Foundation), Roger W. Sant (The AES Corporation)

November 11, 2015
House of the Academy
Inaugural Distinguished Morton L. Mandel Annual Public Lecture
Making Justice Accessible
Featured Speakers: Diane P. Wood (U.S. Court of Appeals for the Seventh Circuit), Goodwin Liu (California Supreme Court), David S. Tatel (U.S. Court of Appeals for the District of Columbia Circuit)

November 17, 2015
House of the Academy
Made in America:
Songs by Barber, Copland, and Fine
Chamber Series in collaboration with the Cantata Singers
Featured Speakers and Performers: Yehudi Wyner (composer, pianist, conductor, and educator) and the Cantata Singers

December 9, 2015
House of the Academy
Winter Concert
Featured Performers: Members of the Boston Symphony Orchestra, 3BSO String Trio

January 11, 2016
House of the Academy
Presentation of the Scholar-Patriot Award to Morton L. Mandel

February 10, 2016
House of the Academy
The History and Science of Tom Stoppard’s “Arcadia:" Discussion and Staged Reading
in collaboration with the Catalyst Collaborative@MIT
Featured Speakers: David Kaiser (Massachusetts Institute of Technology), Seth Lloyd (Massachusetts Institute of Technology)
Members of the Boston Symphony Orchestra, BSO String Trio:
Sheila Fiekowsky, violin; Mickey Katz, cello; Daniel Getz, viola

Jennifer Doudna (University of California, Berkeley), Randy W. Schekman (University of California, Berkeley), Pamela Ronald (University of California, Davis), and Richard A. Muller (University of California, Berkeley)

Jonathan F. Fanton (American Academy), Morton L. Mandel (Parkwood LLC; Jack, Joseph, and Morton Mandel Foundation), Jehuda Reinharz (Brandeis University; Jack, Joseph, and Morton Mandel Foundation), and Don M. Randel (American Academy)

John Levi (Legal Services Corporation), Goodwin Liu (California Supreme Court), Diane P. Wood (U.S. Court of Appeals, Seventh Circuit), and David S. Tatel (U.S. Court of Appeals, District of Columbia Circuit)

Ian Shapiro (Yale University), Joseph Roach (Yale University), Margaret Clark (Yale University), Geneva Overholser (Democracy Fund; formerly, USC Annenberg School for Communication and Journalism), Peter Salovey (Yale University), Jonathan F. Fanton (American Academy), Steven Girvin (Yale University), and Frances Rosenbluth (Yale University)
February 26, 2016
House of the Academy

My End is My Beginning: Music for Chamber Chorus by Berio, Machaut, Janequin, Pärt, and Castelnuovo-Tedesco
Chamber Series in collaboration with the Cantata Singers
Featured Speakers and Performers: David Hoose (Cantata Singers; Boston University) and the Cantata Singers

March 15, 2016
House of the Academy

A Circle of Friends: Chamber Music by Johannes Brahms and Felix and Fanny Mendelssohn
Chamber Series in collaboration with the Cantata Singers
Featured Speakers and Performers: Claire Fontijn (Wellesley College) and the Cantata Singers

March 30, 2016
House of the Academy

The Poetry of Walt Whitman and Allen Ginsberg for Baritone and String Quartet
Featured Speakers and Performers: Bonnie Costello (Boston University), David Kravitz (baritone), and the Arneis Quartet

April 14, 2016
House of the Academy

A Celebration of the Arts and Sciences: Presentations of the Sarton Award for Poetry and Rumford Prize for Science
Featured Speakers: Maggie Dietz (University of Massachusetts, Lowell), Vanesha Pravin (University of California, Merced), Venkatesh Narayanamurti (Harvard University), Federico Capasso (Harvard University), Alfred Cho (Bell Laboratories, Nokia)

Geraldine Richmond (University of Oregon) and Philip Bredesen (former Governor of Tennessee) discuss the Lincoln Project at an Academy-hosted luncheon on the University of Oregon campus.
May 19, 2016
House of the Academy
2016 Distinguished Morton L. Mandel Annual Public Lecture
The Comprehensive Nuclear-Test-Ban Treaty at 20
Featured Speakers: Rose Gottemoeller (U.S. Department of State), Siegfried Hecker (Stanford University), Arun Rath (NPR: WGBH), Robert Rosner (University of Chicago), Lassina Zerbo (Comprehensive Nuclear-Test-Ban Treaty Organization)

June 1, 2016
House of the Academy
Russia Beyond Putin
Featured Speakers: Timothy J. Colton (Harvard University), George Breslauer (University of California, Berkeley)

International Meetings
Edinburgh, Scotland
July 7, 2016
Member Gathering

Milan, Italy
February 22, 2016
Member Gathering

London, United Kingdom
November 24, 2015
The British Academy Member Reception

Paris, France
November 23, 2015
Université Paris-Sorbonne Member Gathering

Moscow, Russia
September 24, 2015
Hotel Metropol Moscow Member Gathering
PROJECTS, PUBLICATIONS & MEETINGS

Gene Block (UCLA), Marcelo M. Suárez-Orozco (UCLA), and Kim A. Wilcox (University of California, Riverside)

Patrick Doyle (Domino’s Pizza, Inc.; Business Leaders for Michigan), Mark S. Schlissel (University of Michigan), and Mary Sue Coleman (University of Michigan)

Robert Rosner (University of Chicago), Jonathan F. Fanton (American Academy), James M. Acton (Carnegie Endowment for International Peace), Elisa D. Harris (Center for International and Security Studies at Maryland), and Herbert Lin (Stanford University)

Rumford Prize recipients Federico Capasso (Harvard University) and Alfred Cho (Bell Laboratories, Nokia)

Joya Banerjee (Stephen D. Bechtel, Jr. Foundation), Annie Maxwell (Skoll Global Threats Fund), Isha Ray (University of California, Berkeley), Anna Michalak (Stanford University; Carnegie Institution for Science), Holly Doremus (UC Berkeley School of Law), and Christopher Field (Stanford University; Carnegie Institution for Science) at a program at Stanford University on “Water: California in a Global Context”
Rose Gottemoeller (U.S. Department of State) and Lassina Zerbo (Comprehensive Nuclear-Test-Ban Treaty Organization)

David Ferster (Northwestern University), Martin Eichenbaum (Northwestern University), and Shari Diamond (Northwestern University)

Kim Scheppele (Princeton University), Nolan McCarty (Princeton University), Joanne Gowa (Princeton University), Nannerl Keohane (Princeton University), Paul Volcker (New York, New York), Jill Dolan (Princeton University), Brandice Canes-Wrone (Princeton University), and Martin Leibowitz (Morgan Stanley)
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Pomona College

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Museum of Fine Arts, Boston

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American Academy of Arts and Sciences

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U.S. Court of Appeals, Seventh Circuit

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