

SCIENCE IN THE SOCIAL ARENA

David Guston - Arizona State University, US



Director, Center for Nanotechnology in Society. Co-Director, Consortium for Science, Policy and Outcomes; Professor, Department of Political Science, College of Liberal Arts and Sciences
David H. Guston is professor of political science and co-director of the Consortium for Science, Policy and Outcomes at Arizona State University. He is Principal Investigator and Director of the Center for Nanotechnology in Society at Arizona State University. CNS-ASU is a National Science Foundation-funded Nano-scale Science and Engineering Center dedicated to studying the societal implications of nanoscale science and engineering research and improving the societal outcomes of nanotechnologies through enhancing the societal capacity to understand and make informed choices.
Learn more at <https://webapp4.asu.edu/directory/person/756359>

Helga Nowotny - European Research Council, AT



Helga Nowotny is Professor em. of Social Studies of Science at ETH Zurich, and former Director of its Collegium Helveticum. She was Chair of EURAB, the European Research Advisory Board of the European Commission from 2001-2006. She is Chair of the Scientific Advisory Board of the University of Vienna and member of the Governing Board of the Science Center in Berlin. She was also Vice-Chair of the Governing Board of the University of Goettingen and continues to hold other advisory positions. Helga Nowotny has a doctorate in law from the University of Vienna and a Ph.D. in sociology from Columbia University, New York. Before moving to ETH Zurich she was professor at the University of Vienna and Permanent Fellow at Collegium Budapest/Institute of Advanced Study.
Learn more at <http://erc.europa.eu/index.cfm?fuseaction=page.display&topicID=85>

INFLUENCE OF POLITICS ON SCIENCE

Harry Collins - Cardiff University, School of Social Sciences, UK



Research Interests

- The Nature of Scientific Knowledge and knowledge in general;
- Public Understanding of Science;
- The Nature of Skills and Expertise;
- Artificial Intelligence and the relationship between humans and machines;
- Medical Knowledge and Skills; Science Education;
- A long term project on the detection of cosmic gravitational radiation.

Learn more at <http://www.cf.ac.uk/socsi/contactsandpeople/academicstaff/C-D/professor-harry-collins-overview.html>

Robert Evans - Cardiff University, UK



"Contemporary policy debates are often, in part, controversies about knowledge. They raise questions about what sort of expertise is needed, who possesses and what how it should be acted upon. My research addresses these questions by examining the ways in which knowledge — scientific and lay — is developed, used, combined and contested. I am thus interested in both the dynamics of specific controversies and the nature of expertise in general."

Learn more at <http://www.cardiff.ac.uk/socsi/contactsandpeople/academicstaff/E-F/dr-robert-evans-overview.html>

Dominique Pestre - EHESS, Centre Alexandre Koyré, FR

Historien, spécialiste de l'histoire des sciences

Physicien de formation initiale et historien de profession, directeur d'étude à l'École des hautes études en sciences sociales (EHESS), Dominique Pestre a dirigé le Centre de recherche en histoire des sciences et des techniques de La Villette puis le Centre Alexandre Koyré (CNRS-EHESS).

Auteur d'une série de thèses sur ce qu'est la pratique des sciences en Occident et sur les modes de production conjoints des savoirs et du social, Dominique Pestre a particulièrement étudié la période de la guerre froide et la reconversion néo-libérale des dernières décennies. Responsable de la rédaction de l'ouvrage Science in the XXth Century, il a été conseiller scientifique du Dictionnaire culturel des sciences.

Learn more at http://www.koyre.cnrs.fr/article.php3?id_article=153 (French only)

Norton Wise - University of California Los Angeles (UCLA), Department of History, US



Norton Wise joined the rapidly developing field of history of science at UCLA three years ago. He works on topics from the late 18th century to the present, specializing in the history of physics and paying particular attention to the relations between science and industrialization. With Crosbie Smith, he wrote *Energy and Empire: A Biographical study of Lord Kelvin*, which shows how the great transformation of physics in the mid-nineteenth century--yielding thermodynamics, electromagnetic theory, and the theory of vortex atoms--grew up together with the problems of steam engines, telegraph cables, and vortex turbines. His series on "Work and Waste: Political Economy and Natural Philosophy in 19th Century Britain" developed the point further to show how the steam engine functioned as an active mediator between industrial and scientific interests, with the "work done" by the engine measuring both "labor value" in economics and "energy" in physics.

Learn more at <http://www.history.ucla.edu/people/faculty?lid=747>

INFLUENCE OF SCIENCE ON POLITICS

Daniel Sarewitz - Arizona State University, US



ASU Professor and Co-director of the Consortium for Science, Policy, and Outcomes
Daniel Sarewitz is professor of Science and Society at Arizona State University, where he is co-director of the Consortium for Science, Policy, and Outcomes (CSPO), which he helped to found in 1999. His work focuses on revealing the connections between science policy decisions, scientific research and social outcomes. How does the distribution of the social benefits of science relate to the way that we organize scientific inquiry? What accounts for the highly uneven advance of know-how related to solving human problems? How do the interactions between scientific uncertainty and human values influence decision making? And, how can improved insight into such questions contribute to improved real-world practice?
Learn more at <https://webapp4.asu.edu/directory/person/694412>

SCIENCE AND SOCIETAL RISKS

Heather Douglas - University of Tennessee, Department of Philosophy and Religion Studies, US



Heather Douglas' research interests center on the use of science in policy-making. This includes not only how to conceptualize that process, but also what the involvement of science in policy-making means for our understanding of science, for the role of values in science, for the moral responsibilities of scientists, and for the nature of scientific objectivity. She is also interested how to best weigh complex sets of evidence from multiple disciplines in the policy process. Finally, she is interested in the development of philosophy of science in the twentieth century, particularly in the crucible of the cold war.

Learn more at <http://web.utk.edu/~philosop/staff/douglas.html>

Ortwin Renn - University of Stuttgart, DE

Ortwin Renn serves as full professor and chair of environmental sociology and technology assessment at [Stuttgart University](http://www.stuttgart-universitaet.de). He directs the Interdisciplinary Research Unit for Risk Governance and Sustainable Technology Development (ZIRN) at the [University of Stuttgart](http://www.stuttgart-universitaet.de), and the non-profit company [DIALOGIK](http://www.dialogik.de), a research institute for the investigation of communication and participation processes in environmental policy making. Since 2006 Renn has been elected Deputy Dean of the Economics- and Social Science Department and Acting Director of the Institute of Social Sciences at the University of Stuttgart.

Learn more at <http://ortwin.gingedas.net/node/6>

HISTORICAL PERSPECTIVE

Loren Graham - MIT, History Faculty, US



Loren R. Graham is Professor Emeritus, of the History of Science in the Program in Science, Technology and Society. Professor Graham received his Ph.D. from Columbia University, and a Doctor of Letters (honoris causa) from Purdue University in 1986. Professor Graham specializes in the history of science and the study of contemporary science and technology in Russia. His recent publications include *Science and the Soviet Social Order* (1990), *Science, Philosophy and Human Behavior in the Soviet Union* (1987), *Science in Russia and the Soviet Union: A Short History* (1993), *The Ghost of the Executed Engineer* (1993); *A Face in the Rock* (1995); and *What Have We Learned About Science and Technology from the Russian Experience?* (1998). His *Science, Philosophy and Science in the Soviet Union* was nominated for the National Book Award. In 1996 he received the George Sarton medal of History of Science Society and in 2000 he received the Folio Award of the Michigan Historical Society for his contributions to Michigan history. He is a fellow of the American Association for Advancement of Science, the American Academy of Arts and Sciences, a member of the American Philosophical Society, and a foreign member of the Russian Academy of Natural Science.

Learn more at <http://web.mit.edu/lrg/www/graham.htm>

SCIENCE AND POLITICAL VALUES

John Dupré - University of Exeter, Department of Sociology and Philosophy, UK



Director of Egenis/Professor of Philosophy of Science

"I received my Ph.D at Cambridge in 1981 after spending two years studying in the U.S. as a Harkness Fellow. I was then a Junior Research Fellow at St. John's College, Oxford, for two years before taking up a post in the Department of Philosophy at Stanford University, where I taught until 1996. I then returned to the U.K. to take up posts as Professor of Philosophy in Birkbeck College, University of London, and as a Senior Research Fellow at Exeter.

At Exeter I have headed the reintroduction of philosophy, which has been dormant at Exeter since the department was closed in the mid-eighties. Several undergraduate philosophy degrees were launched in 2000, at which time I resigned my chair in London and was appointed at Exeter as Professor of Philosophy of Science. In 2002 I assumed the full-time directorship of [Egenis](#).

During the period 1st April to 15th June 2006 I was the Spinoza Visiting Professor at the University of Amsterdam, duties of which included two public lectures as well as leading a series of seminars with staff and graduate students at the University."

Learn more at <http://huss.exeter.ac.uk/sociology/staff/dupre/index.php>

Don Howard - University of Notre Dame, Department of Philosophy, US



Areas of Interest: Philosophy of Science, Foundations of Physics, History of the Philosophy of Science

Curriculum Vitae: <http://www.nd.edu/~dhoward1/cv.pdf>

Learn more at <http://www.nd.edu/~dhoward1/>

Janet Kourany - University of Notre Dame, College of Arts and Letters, US



Associate Professor of Philosophy. Philosophy of science, science and values, feminist philosophy. Books: (editor) *Scientific Knowledge* (1987, 1998); (editor and contributor) *Philosophy in a Feminist Voice* (1998); (coeditor) *Feminist Philosophies* (1992, 1999); (editor) *The Gender of Science* (2002); (coeditor and contributor) *Science and Values: The Challenge of the Social and the Pressure of Practice* (forthcoming). Recent articles: "Philosophy in a *Feminist Voice*?" and "A New Program for Philosophy of Science, in Many Voices" (1998); "What Does Feminism Contribute to Philosophy of Science?" and "No Need to Be Sorry, Virginia" (2000); "A Successor to the Realism/Antirealism Question" (2000); "Socially Responsible Directions for Philosophy of Science" (2003); "A Philosophy of Science for the Twenty-First Century" and "Reply to Giere" (2003); "How to Complete the Compatibilist Account of Free Action" (2004); "A Feminist Primer for Philosophers of Science" (2005); "Feminist Philosophy of Science: Contemporary Perspectives" (2006); "Getting Philosophy of Science Socially Connected" (2006); "Science and Philosophy of Science: Potential Allies in the Struggle for Equality" (2007); "Making a Place for the Other" (2007).

Learn more at <http://philosophy.nd.edu/people/all/profiles/kourany-janet/>

Cassandra Pinnick - Western Kentucky University, US



"I have been interested in challenges to the rationality and the epistemology of science as these challenges come from feminist philosophers and from sociologists. I am interested currently in the application of arguments from the epistemology and methodology of science to jurisprudence, especially in the area of criminal law in US Federal Courts. I am writing a small text that combines elementary formal logic with an introduction to philosophical reasoning about practical matters. The working title of the text is: "The Practise of Philosophy: Reason, Values, and Duty." The text aims to make the points, in a way that will impress undergraduates, that practical philosophy is an essential tool for public intellectuals and that university graduates have a duty to be intelligent. After several years on faculty at a regional university, I find it a good thing to attempt to impress such a duty onto my students."

Learn more at <http://www.wku.edu/~cassandra.pinnick/>

DEMOCRATIZATION OF SCIENCE

Gürol Irzik - Bogazici University, TR

Gürol Irzyk received his BA degree in Electrical Engineering and his MA degree in Mathematics, both at Bogazici University, Istanbul. He then switched to Philosophy of Science and received his PhD from the Department of History and Philosophy of Science at Indiana University, Bloomington. His dissertation was on causal modelling. In this dissertation and other publications, he urged philosophers of science to pay attention to the causal modelling techniques employed in the social sciences. He argued that although these techniques do not enable us to reduce causes to correlational complexes, they provide powerful tools for linking the two. He is very happy that causal modeling today has become a major area of research in philosophy of science.

Learn more at <http://www.phil.boun.edu.tr/irzik.html>

Sheila Jasanoff - Harvard University, US

Sheila Jasanoff is Pforzheimer Professor of Science and Technology Studies at Harvard University's John F. Kennedy School of Government. She has held academic positions at Cornell, Yale, Oxford, and Kyoto. At Cornell, she founded and chaired the Department of Science and Technology Studies. She has also been a Leverhulme Visiting Professor at Cambridge, Fellow at the Berlin Institute for Advanced Study, and Resident Scholar at the Rockefeller Foundation's Bellagio study center. Her research concerns the role of science and technology in the law, politics, and public policy of modern democracies, with a particular focus on the challenges of globalization. She has written and lectured widely on problems of environmental regulation, risk management, and biotechnology in the United States, Europe, and India. Her books include *Controlling Chemicals* (1985), *The Fifth Branch* (1990), *Science at the Bar* (1995), and *Designs on Nature* (2005). Jasanoff has served on the Board of Directors of the American Association for the Advancement of Science and as President of the Society for Social Studies of Science.

Learn more at <http://www.hks.harvard.edu/about/faculty-staff-directory/sheila-jasanoff>

Philip Kitcher - Columbia University, US

Philip Kitcher is the John Dewey Professor of Philosophy at Columbia University. An eminent philosopher, he is the author of many books on science, literature, and music, including *Abusing Science: The Case Against Creationism*; *The Lives to Come: The Genetic Revolution and Human Possibilities*; *Vaulting Ambition: Sociobiology and the Quest for Human Knowledge*; *Science, Truth, and Democracy*; and *In Mendel's Mirror*.

Learn more at <http://www.columbia.edu/~psk16/>

SCIENCE AND POLITICS: NANO RESEARCH

Lu Feng - Tsinghua University, Philosophy Faculty, CN



Lu Feng, born in Lu'an, Anhui province, now is Professor of Philosophy at Tsinghua University in Beijing. He graduated from Anhui Normal University, Wuhu, in 1982. He received his MA. degree from Shanxi University, Taiyuan and Ph.D. degree from Wuhan University, Wuhan, in 1992. His main research areas are Ethics, Modern Western Values Study, and Philosophy of Science and Technology. He mainly provides following courses for graduate or undergraduate students: Ecological Ethics, Environmental Ethics, Principle of Ethics, Applied Ethics (awarded as one of the distinguished graduate courses in Humanity School), and Review and introduction of Western Values.

He is the author or editor of some six books, including: *Applied Ethics and Contemporary Life* (Central Compilation & Translation Press, 2004), *Modern View of Development and Environmental Ethics* (Editor in Chief with Liu Xiangrong, Hebei University Press, 2004), *After Enlightenment: The Gain and Loss of Modern Western's Values* (Hunan University Press, Changsha, 2003), *Introduction to Applied Ethics* (Editor in Chief with Xiaowei, Contemporary China Publishing House, Beijing, 2002), *Enjoyment and Existence: Living Style of Modern People and Environment Protection* (Guangdong Education Press, 2000), and *The Home of Human Being: Philosophical Reflection on Contradictions of Modern Culture* (Hunan University Press, 1996). He is also the translator of *The Intelligent Design: the Bridge Between Science and Theology* (by William A Dembski, Central Compilation & Translation Press, Beijing, 2005)

Learn more at <http://166.111.106.5/xi-suo/zhe/en/Tsinghua%20Philosophy%20Faculty%20-%20Lu%20Feng.htm>

Daniel Greenberg - Author, US

Daniel S. Greenberg is a Washington-based journalist specializing in the coverage of science and health policy and politics. He formerly was the news editor and London-based foreign editor of *Science*, and was the founder and editor of *Science & Government Report*, a newsletter he founded in 1971 and published until 1997, when it was acquired by John Wiley & Sons. Greenberg is the author of three books:

- "The Politics of Pure Science," initially published in 1967, and reissued in several editions, most recently in 1999 by the University of Chicago Press, with introductions by John Maddox, then editor of *Nature*, and Steven Shapin, Professor of History of Science, Harvard University;

- "Science, Money, and Politics: Political Triumph and Ethical Erosion" (University of Chicago Press, 2001); and

- "Science for Sale: The Perils, Rewards, and Delusions of Campus Capitalism" (University of Chicago Press, 2007).

He has written articles and book reviews for many popular and professional publications, including the *Washington Post*, *New York Times*, *Economist*, *Smithsonian Magazine*, *Nature*, *Discover*, *New Scientist*, *New England Journal of Medicine*, *JAMA*, *The Lancet*, *Chronicle of Higher Education*, *US News & World Report*, *Minerva*.

From 1975-97, he wrote a syndicated op-ed column on science policy and related subjects that appeared in the *Washington Post* and many other newspapers.

From 2003-2006, Greenberg was a Guest Scholar at the Brookings Institution while writing "Science for Sale," and for this project was the recipient of an Investigator Award in Health Policy Research from the Robert Wood Johnson Foundation.

He previously held an appointment as a Visiting Scholar in the History of Science, Medicine, and Technology at Johns Hopkins University, under a grant from the Alfred P. Sloan Foundation. He has lectured at many universities and research centers, including the University of California, at Santa Barbara, where he was a Regents Lecturer, Iowa State University, the Argonne National Laboratory, the Brookhaven National Laboratory, the University of California, at Santa Barbara, and Princeton University.

Earlier in his career he was a reporter on the *Washington Post* and was a Congressional Fellow of the American Political Science Association.

He has served as chairman of the Fund for Investigative Journalism and as an officer of the National Association of Science Writers. Under Greenberg's editorship, *Science & Government Report* was the first recipient of the National Press Foundation's Outstanding Journalism Award for Investigative Journalism.

Greenberg is a graduate of Columbia College, and is married to Wanda J. Reif, an attorney in private practice in Washington, D.C.

Alfred Nordmann - TU Darmstadt, DE

After receiving his Ph.D. in Hamburg (1986) and serving on the faculty of the Philosophy Department at the University of South Carolina (1988-2002), Alfred Nordmann became Professor of Philosophy and History of Science at Darmstadt Technical University. His historical interests concern the negotiation of contested fields of scientific knowledge such as theories of electricity and chemistry in the 18th century, mechanics, evolutionary biology, and sociology in the 19th century, nursing science and nanoscale research in the 20th century. In particular, he studied the scientific contributions of Georg Christoph Lichtenberg, Antoine Lavoisier, Joseph Priestley, Charles Darwin, William Bateson, and Heinrich Hertz. His epistemological interests concern the trajectory that leads from Immanuel Kant via Heinrich Hertz and Ludwig Wittgenstein to contemporary analyses of models, simulations, and visualizations. He is president of the Lichtenberg Society.

Learn more at <http://www.philosophie.tu-darmstadt.de/index.php?id=nordmann>

Arie Rip - Twente University, NL



Arie Rip is Professor of Philosophy of Science and Technology in the School of Management and Governance of the University of Twente. He is a key figure in the Centre for Studies of Science, Technology and Society. The Centre comprises studies of new technology and users, long-term developments of technology and the consumer society, technology assessment, in particular constructive technology assessment of nanotechnology, foresight as a science and technology policy instrument, national systems of research and innovation and their evolution.

Arie Rip is involved in evaluation studies, as of the Norwegian Research Council, and the research management of Flemish Universities, and international comparative science policy studies. He was a member of the EU High-Level Expert Group on Foresighting the New Technology Wave, and is actively promoting international collaboration in issues of nanotechnology and society. He is also Visiting Professor at the University of Stellenbosch, South Africa.

Learn more at <http://www.mb.utwente.nl/stehps/about/staff/scientific/Rip.doc/>

SCIENCE IN SOCIETY AND THE MEDIA

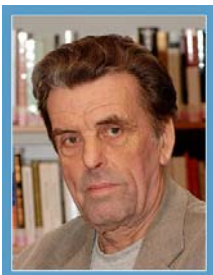
Liza Gross - Public Library Centre, US



"Liza Gross comes to the Public Library of Science with over fifteen years of publishing experience in areas ranging from wine appreciation to particle physics. She was copy chief at Parenting magazine and specialized in toxics and environmental health at Sierra magazine, where she produced a special report on the environmental links to breast cancer. As a staff writer for San Francisco's Exploratorium, she was inspired by founding director Frank Oppenheimer's vision that giving people the tools to understand scientific phenomena would help them engage with the world around them and benefit society at large. Liza believes that facilitating this understanding is especially important today, as sophisticated technological advances trigger increasingly difficult public policy issues, such as assessing the safety of genetically modified foods and the risks of emerging infectious diseases. She's committed to the Public Library of Science's mission of broadening access - physical as well as intellectual - to scientific knowledge and discovery, both to encourage public participation in scientific debates and to promote the cross-pollination of ideas among scientists in different disciplines."

Learn more at <http://www.plos.org/about/people/biology.html>

Jan Sokol - Charles University, CZ



Main areas of interest: phenomenology, philosophic anthropology, religious science, anthropology of law.

Courses taught at the CU: Introduction to philosophic thinking; Power, money and law; Man as a person; Man and religion.

Numerous translations of French and German philosophy (Lévinas, Blondel, Foucault, Teilhard, Derrida, Landsberg, Rosenzweig, Gadamer, Weizsaecker etc.), from Greek and Latin. More than 300 articles, lectures in the US, in France, Germany, Poland, Austria, Sweden, Hungary, Russia, Ukraine, Switzerland, Belgium, Italy, Slovenia, Roumania and Bulgaria.

Adviser to the Minister of Education, member of various societies and NGO's, vice-chairman of the Czech Grant Agency, member of the Scientific Councils at the Faculty of Pedagogy and at the Center for Theoretical Studies, CU Prague, at the Faculty of Humanities, Pardubice, and at the Masaryk University, Brno. Member of the Czech branch of International PEN-Club. Former chairman of the Education Committee of the Czech Unesco, former vice-chairman of the Board of IBE Geneva.

Learn more at <http://www.jansokol.cz/cv-en.php?lang=en>