

VISU 2001–2014 and USS-SWC 2015

VISU 2001

Unity and Plurality in Science

Main Lecturers: **Don Howard** (*University of Notre Dame*)
Elliott Sober (*University of Wisconsin*)
Guest Lecturer: **Brigitte Falkenburg** (*University of Dortmund*)
Assis. Lecturer: **Christopher Hitchcock** (*California Institute of Technology*)
David J. Stump (*University of San Francisco*)

VISU 2002

Mind and Computation

Main Lecturers: **Michael Hagner** (*Max Planck Institute for the History of Science, Berlin*)
Brian P. McLaughlin (*Rutgers University, New Brunswick*)
Guest Lecturer: **Anton Zeilinger** (*University of Vienna*)
Assis. Lecturer: **Güven Güzeldere** (*Duke University*)
Paul Ziche (*Bayerische Akademie der Wissenschaften*)

VISU 2003

Biological and Cosmological Evolution

Main Lecturers: **Karl Sigmund** (*University of Vienna*)
Robert M. Wald (*University of Chicago*)
Eörs Szathmáry (*Eötvös Loránd University*)
Assis. Lecturer: **Daniel Holz** (*University of California, Santa Barbara*)

VISU 2004

The Quest for Objectivity

Lecturers: **John Beatty** (*University of British Columbia*)
Michael Friedman (*Stanford University*)
Helen Longino (*University of Minnesota*)

VISU 2005

Chance and Necessity

Main Lecturers: **Theodore M. Porter** (*University of California, Los Angeles*)
Wolfgang Spohn (*University of Konstanz*)
Assis. Lecturer: **Deborah Coen** (*Harvard University*)
Franz Huber (*University of Konstanz*)

VISU 2006

Philosophy and Economics

Main Lecturers: **Geoffrey Brennan** (*Duke University*)
Hartmut Kliemt (*University of Duisburg*)
Guest Lecturer: **Rainer Hegselmann** (*University of Bayreuth*)
Assis. Lecturer: **Bernd Lahno** (*University of Duisburg*)

VISU 2007

Consensus in Science

Main Lecturers: **Naomi Oreskes** (*University of California, San Diego*)
Miriam Solomon (*Temple University, Philadelphia*)
Andrzej Wróblewski (*Warsaw University*)
Guest Lecturer: **Keith Lehrer** (*University of Arizona, Tucson*)

VISU 2008

History and Philosophy of the Biomedical Sciences

Main Lecturers: **Rachel A. Ankeny** (*University of Adelaide*)
Bernadino Fantini (*University of Geneva*)
David Wootton (*University of York*)
Guest Lecturer: **Keith Wailoo** (*Rutgers University*)

VISU 2009

The Culture of Science and Its Philosophy

Main Lecturers: **Ronald Giere** (*University of Minnesota*)
Mary Jo Nye (*Oregon State University*)
Alan Richardson (*University of British Columbia*)
Guest Lecturer: **Peter Galison** (*Harvard University*)

VISU 2010

The Science of the Conscious Mind

Main Lecturers: **Uljana Feest** (*Technische Universität Berlin*)
Owen Flanagan (*Duke University*)
Michael Pauen (*Humboldt-Universität zu Berlin*)
Guest Lecturer: **J. Allan Hobson** (*Harvard Medical School*)

VISU 2011

The Nature of Scientific Evidence

Main Lecturers: **Hasok Chang** (*University of Cambridge*)
Tal Golan (*University of California, San Diego*)
David Lagnado (*University College London*)
Guest Lecturer: **Philip Dawid** (*University of Cambridge*)

VISU 2012

Applied Science.

Historical, Epistemological, and Institutional Characteristics

Main Lecturers: **Martin Carrier** (*Bielefeld University*)
Rose-Mary Sargent (*Merrimack College*)
Peter Weingart (*Bielefeld University*)
Guest Lecturer: **William Butz** (*IIASA, Laxenburg*)

VISU 2013

Climate Studies

Main Lecturers: **Jim Fleming** (*Colby College*)
Roman Frigg (*London School of Economics*)
Wendy Parker (*Ohio University*)
Guest Lecturer: **Angela Kallhoff** (*University of Vienna*)

VISU 2014

Humans/Animals. A Contested Boundary

Main Lecturers: **Richard Burkhardt** (*University of Illinois*)
Susan Jones (*University of Minnesota*)
Georgina Montgomery (*Michigan State University*)
Guest Lecturers: **Mitchell Ash, Herwig Grimm** (*University of Vienna*)
Tom Tyler (*Oxford Brookes University*)

USS-SWC 2015

The Computational Turn. Simulation in Science

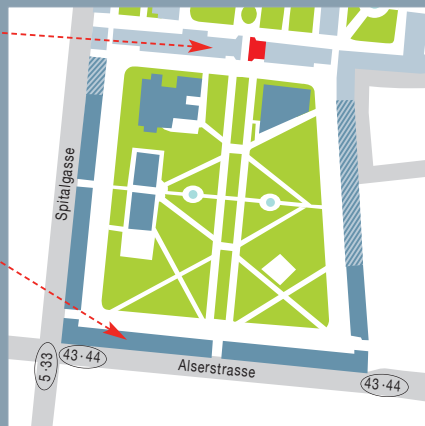
Main Lecturers: **Rainer Hegselmann** (*University of Bayreuth*)
Paul Humphreys (*University of Virginia*)
Margaret Morrison (*University of Toronto*)
Guest Lecturer: **Kevin Zollmann** (*Carnegie Mellon University*)



Site of USS-SWC
Scientific World Conceptions
"Kapelle", Universitätscampus
Spitalgasse 2–4, Hof 1,
A-1090 Wien
Institute Vienna Circle
<http://campus.univie.ac.at/>



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univie: summer school 2016 Scientific World Conceptions USS-SWC

Call for Application

Application deadline: January 31, 2016

Science, Values, and Democracy?

Vienna, July 4–15, 2016

organized by

Institute Vienna Circle



Faculty of Philosophy and Education

Science and democracy are key features of modern societies, but there have always been tensions between them, with implications for a wide range of public issues. This two-week course will examine historical, philosophical, and political perspectives on the relation of science, values, and democracy.

Main Lecturers:

Mark B. Brown (*California State University, Sacramento*)

Heather Douglas (*University of Waterloo, Ontario*)

Andrew Jewett (*Harvard University*)

International Program Committee

John Beatty (*University of British Columbia*), Maria Carla Galavotti (*University of Bologna*), Malachi Hacoen (*Duke University*), Michael Heidelberger (*University of Tübingen*), Paolo Mancosu (*University of California, Berkeley*), Elisabeth Nemeth (*University of Vienna*), Miklós Rédei (*London School of Economics*), Michael Stöltzner (*University of South Carolina*), Roger Stuewer (*University of Minnesota*), Thomas Uebel (*University of Manchester*).

Friedrich Stadler (*Local Organizer, University of Vienna*),

Karoly Kokai (*Secretary of USS-SWC, Institute Vienna Circle*).

ivc@univie.ac.at

www.univie.ac.at/ivc/SWC

Science, Values, and Democracy?

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Heather Douglas (University of Waterloo, Ontario)

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Many controversial public issues involve implicit assumptions about the relation of science, values, and democracy. Should climate scientists publicly advocate specific climate policies? Should lay citizens have a say in the allocation of public funds for science and technology? Should governments legally require certain vaccinations, or ban certain areas of research? How should social values shape scientific research in genetics, public health, and many other fields? Public debates over issues like these echo a long history of conflicting views in political theory and the history, sociology, and philosophy of science. In all of these fields, the past fifty years have seen a shift away from foundationalist or essentialist approaches and toward an emphasis on the social and material context of scientific and political practices. The ideal of value-free science remains popular in public life, but most scholars now agree that science is shaped—often properly so—by social values, commercial pressures, and political decisions. Many interpreters still assume either that science and

democracy invariably conflict or that they invariably reinforce each other, but a more detailed look reveals that the relation between them has varied enormously across time and place. And whereas many commentators still view democracy narrowly in terms of popular elections, recent scholarship shows that social institutions and material practices of all kinds—including many associated with science and technology—may become sites of democratic politics. This summer school will examine these developments in scholarship and public life, while also providing a stimulating context in which participants can develop their own views on the specific topics that most interest them.

Specific Topics:

- Roles of values in science
- Historical relations of science and democracy
- Public engagement in sociotechnical controversies
- Race, gender, and science
- Science and religion in democracies
- Politics of expert advice
- Public assessment of scientific expertise
- Science communication in democratic contexts
- Universities and public life

The Main Lecturers

Mark B. Brown

Mark B. Brown is a professor in the Department of Government at California State University, Sacramento. His work addresses questions of democratic theory and practice with regard to public controversies over science and technology. He is the author of *Science in Democracy: Expertise, Institutions, and Representation* (MIT Press, 2009), and various publications on the politics of expertise, political representation, bioethics, climate change, and related topics. He teaches courses on modern and contemporary political theory, democratic theory, and the politics of science, technology, and the environment.

<http://www.csus.edu/faculty/B/brownm/index.html>

Heather Douglas

Heather Douglas is the Waterloo Chair in Science and Society and Associate Professor in the Department of Philosophy at the University of Waterloo, Ontario, Canada. She is the author of *Science, Policy, and the Value-Free Ideal* (University of Pittsburgh Press, 2009) as well as numerous articles. Her work focuses on the role of values in science, science policy, and science in democratic societies and has been supported by the National

Science Foundation and the Social Science and Humanities Research Council of Canada. She is a Fellow of the Institute for Science, Society, and Policy at the University of Ottawa and a Professor of the Balsillie School of International Affairs, where she convenes the Science & Health Policy Research Cluster.

<https://uwaterloo.ca/philosophy/people-profiles/heather-douglas>
<https://uwaterloo.academia.edu/HeatherDouglas>

Andrew Jewett

Andrew Jewett is Associate Professor of History and of Social Studies at Harvard University. The author of *Science, Democracy, and the American University: From the Civil War to the Cold War* (Cambridge University Press, 2012), he has also written several other articles and chapters tracing interactions between the scientific disciplines, public debates, and political institutions, as well as engagements between science and religion. He is especially interested in claims about the impact of science on society and the circulation of arguments and concepts between the public sphere and the increasingly specialized natural and social sciences.

<http://history.fas.harvard.edu/people/andrew-jewett>

Costs and Information

Cost of the program: € 880

Lodging in student dormitories is available at approximately € 400–€ 450 for the whole duration of the course.

For further information, see: www.univie.ac.at/ivc/SWC

Application form

Please print or type / mark choice

To apply for admission **please send by mail** this application form together with

1. A short educational curriculum vitae
2. A list of most recent courses and grades or a copy of your diplomas
3. A one-page statement (in English), briefly outlining your previous work and your reason for attending USS-SWC
4. A (sealed) letter of recommendation from your professor, including some comment on your previous work. This letter may also be sent directly by your professor.
5. A passport photo

Please make sure that all documents arrive in time because we can process only complete applications.

Application form (also available on our Web site: www.univie.ac.at/ivc/swc) may be sent in advance.

Application deadline: January 31, 2016 (Later applications may be considered if space is still available.)



Prof. Friedrich Stadler, Institut Wiener Kreis, Friedrich.Stadler@univie.ac.at
Campus der Universität Wien, Spitalgasse 2-4, Eingang 1.13, A-1090 Wien, Austria

Last name	First name	<input type="checkbox"/> f <input type="checkbox"/> m
Date of birth	day	month
Home address	year	
Telephone		
e-mail		
Postal address if other than home address		
Telephone		
Citizenship		
Profession or program currently enrolled in		
University		
<input type="checkbox"/> Bachelor of	<input type="checkbox"/> Master of	
Last completed academic grade	<input type="checkbox"/> PhD in	
Accommodation requested in students dormitories <input type="checkbox"/> yes <input type="checkbox"/> no		
Date	Signature	

A letter of admission together with a detailed syllabus will reach successful applicants by mid-February, 2016. To participate mastering English on a high level is required. For non English native speakers with certificate. The administration of **USS-SWC** at the University of Vienna can assist the candidates admitted in applying for funds and in the accreditation of the course, but unfortunately, cannot offer financial assistance. However, for a few gifted applicants who can demonstrate that, despite serious documented efforts, they have not been able to obtain any financial support, in particular due to economic difficulties in their own country, a tuition waiver grant, awarded by the Institute Vienna Circle and the University of Vienna, will be provided.

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USS • univie: summer school

SWC • Scientific World Conceptions

Since 2001 the **Institute Vienna Circle*** of the University of Vienna have been holding an annual two-week summer program dedicated to major current issues in the natural and social sciences, their history and philosophy. The title of the program reflects the heritage of the **Vienna Circle**** which promoted interdisciplinary and philosophical investigations based on solid disciplinary knowledge.

As an international interdisciplinary program, **USS-SWC** will bring graduate students in close contact with world-renowned scholars. It will operate under the academic supervision of an International Program Committee of distinguished philosophers, historians, and scientists. The program is directed primarily to graduate students and junior researchers in fields related to the annual topic, but the organizers also encourage applications from gifted undergraduates and from people in all stages of

their career who wish to broaden their horizon through cross-disciplinary foundational issues in science.

The summer course consists of morning sessions, chaired by distinguished lecturers which focus on reading assigned to students in advance. Afternoon sessions are made up of smaller groups which offer senior students the opportunity to discuss their own papers with one of the main lecturers.

USS-SWC is part of the FWF Doctoral Program "The Sciences in Historical, Philosophical and Cultural Contexts".
<http://dkplus-sciences-contexts.univie.ac.at/>

From 2015 on the label of **VISU-SWC** is **univie: summer schools (USS-SWC)**.

***The Institute Vienna Circle.** The international Institute Vienna Circle, a nonprofit society founded in Vienna in October 1991, set itself the following goals: first, to document and promote the contributions and development of the "Vienna Circle" in the areas of science and the public; and second, to cultivate and apply logical empiricism, critical rationalism and linguistic analysis in the sense of a scientific philosophy and coordinated with general sociocultural developments. In 2011 the **Institute Vienna Circle** became part of the **Faculty of Philosophy and Education** of the University of Vienna.

****The Vienna Circle**, a group of about three dozen scientists in Vienna who worked in the areas of philosophy, logic, mathematics, the natural and social sciences, pioneered in the development of analytic (linguistic) philosophy and philosophy of science and may be counted among the most important and most influential trends of thought in the twentieth century.

This modernist movement first became known to the public in 1929. Its core was the so-called "Schlick Circle" centered around Moritz Schlick, a professor of philosophy at the University of Vienna, who was murdered there in 1936 by a student. In particular Friedrich Waismann, Herbert Feigl, Rudolf Carnap, Hans Hahn, Philipp Frank, Otto Neurath, Viktor Kraft, Karl Menger, Kurt Gödel and Edgar Zilsel figured at the meetings in the Boltzmanngasse which Olga Taussky-Todd, Olga Hahn-Neurath, Felix Kaufmann, Rose Rand, Gustav Bergmann and Richard von Mises also attended. There were also occasional guests from abroad, some of them well-known today, such as Hans Reichenbach, Carl G. Hempel, Alfred Jules Ayer, Ernest Nagel, John von Neumann, Willard Van Orman Quine and Alfred Tarski. At the periphery of the Vienna Circle contacts flourished with Ludwig Wittgenstein, Karl R. Popper and Heinrich Gomperz.