

Dr. Julia Schubert

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RESEARCH INTERESTS

Science Studies | Sociology of Expertise | Environmental Sociology | Historical Sociology | Climate Change

SHORT BIOGRAPHY

Julia Schubert is postdoctoral researcher at the Department of Science Studies and Management at the University of Speyer. Her research explores the interrelation of science and politics as well as notions of expertise. She has worked on issues of climate science and policy with a particular focus on proposals to modify or engineer the climate.

Julia is a young fellow at Bielefeld University's Institute for Advanced Study (ZiF) and a scholar of the Climate Social Science Network (CSSN) based at Brown University. Since 2022, she is a board member of the "Sektion für Wissenschafts- und Techniksoziologie" within the German Sociological Association (DGS) and a member of the UNESCO World Commission on the Ethics of Scientific Knowledge and Technology (COMEST).

EDUCATION

- | | |
|------|---|
| 2019 | Ph.D. Sociology (<i>summa cum laude</i>)
Rheinische Friedrich-Wilhelms-Universität Bonn
Committee: Prof. Dr. Rudolf Stichweh, Prof. Dr. David Kaldewey
Defense April 2019 |
| 2013 | M.A. Sociology
Ruprecht-Karls-Universität, Heidelberg Germany |
| 2010 | B.A. Social Sciences
Philipps-Universität, Marburg Germany |

ACADEMIC CAREER

- Since 2021** **Postdoctoral Researcher**
Department of Science Studies and Management, University of Speyer
Parental Leave: March – September 2021
- 2019 - 2020** **Postdoctoral Researcher**
Department of Science Studies, Forum Internationale Wissenschaft (FIW), University of Bonn
- Since 2019** **Young Fellow at the “ZiF”**
Center for Interdisciplinary Research, University of Bielefeld
- 2016 –** **Fulbright Scholar**
2017 CIRES Center for Science and Technology Studies, University of Colorado, Boulder
Host: Prof. Max Boykoff
- 2014 –** **Research Associate (PhD Candidate)**
2018 Research Group “*Discovering, Exploring, and Addressing Grand Societal Challenges*”, FIW,
University of Bonn
- 2012 –** **Research Assistant**
2013 Hertie School of Governance, Berlin

PUBLICATIONS (SELECTION)

MONOGRAPH (PEER REVIEWED)

Schubert, J. (2021). *Engineering the Climate. Science, Politics, and Visions of Control*. Manchester: Mattering Press.

EDITED SPECIAL ISSUE

Hölscher, M./ Schubert, J. (eds.) (2022). Universities between Inter- and Re-Nationalization: A Review Symposium. Special Issue in *Global Perspectives* (2022) 3(1). University of California Press.

ARTICLES (PEER REVIEWED)

Schubert, J. (2022). Science-State Alliances and Climate Engineering: A “Longue-Durée” Picture. *WIREs Climate Change*. <https://doi.org/10.1002/wcc.801>

Hamann, J./ Kaldewey, D./ Schubert, J. (2019). Die gesellschaftliche Relevanz von Forschung. Drei Modelle ihrer Bewertbarkeit. *Wissenschaftsmanagement* 2(2019), 133-137. [[pdf](#)]

Schubert, J. (2016). The Organizational Interface of Science and Politics. Towards a Conceptual Framework. *Der moderne Staat – Zeitschrift für Public Policy, Recht und Management*, 8(2), 51-64.

Hoelscher, M./ Schubert, J. (2015). Potential and Problems of Existing Creativity and Innovation Indices. *Creativity Research Journal*, 27(1), 1-15.

CHAPTERS

Schubert, J. (2023). Climate Engineering. Sozialwissenschaftliche Perspektiven auf eine Emerging Technology. In M. Sonnberger, A. Bleicher, M. Groß, *Handbuch für Umweltsoziologie* (pp. 1-14). Dodrecht: Springer. https://doi.org/10.1007/978-3-658-37222-4_35-1

Schubert, J. (2023). Soziologie der Expertise. In D. Kaldewey (ed.), *Wissenschaftsforschung: Grundbegriffe, Forschungsfelder und Forschungsfragen*. Berlin: de Gruyter.

Hamann, J./ Schubert, J. (2023). Nützliche Forschung: Die Bewertung und Vermessung der gesellschaftlichen Relevanz von Wissenschaft. In D. Kaldewey (ed.), *Wissenschaftsforschung: Grundbegriffe, Forschungsfelder und Forschungsfragen*. Berlin: de Gruyter.

Hölscher, M./ Schubert, J. (2022). Universities between Inter- and Re-Nationalization: An Introduction. *Global Perspectives* (2022) 3(1). University of California Press. <https://doi.org/10.1525/gp.2022.56926>

Kaldewey, D./ Russ, D./ Schubert, J. (2020). The Politics of Technoscience: From National Visions to Global Problems. In: Maasen, Sabine/ Sascha Dickel (Eds.): *TechnoScienceSociety*. Sociology of the Sciences Yearbook.

Schubert, J. (2019). Measuring, Modeling, Controlling the Climate? Numerical Expertise in U.S. Geoengineering Politics. In Prutsch, Markus (Ed.): *Working Numbers. Science and Contemporary Politics*. Basingstoke: Palgrave Macmillan.

Hamann, J. / Kaldewey, K. / Schubert, J. (2019). Ist gesellschaftliche Relevanz von Forschung bewertbar, und wenn ja, wie? *Austrian Academy of Sciences*, URL: www.oeaw.ac.at/preisfrage.

Russ, D./ Schubert, J. (2016). Verwissenschaftlichung der Politik? Eine Analyse massenmedialer Darstellungskontexte politischen Entscheidens (1946–2011). In: Lemke, Matthias/ Gregor Wiedemann (Eds.): *Text Mining in den Sozialwissenschaften. Grundlagen und Anwendungen zwischen qualitativer und quantitativer Diskursanalyse*. Wiesbaden: VS Verlag.

Kaldewey, D./ Russ, D./ Schubert, J. (2015). Following the Problems. Das Programm der Nachwuchsforschergruppe "Entdeckung, Erforschung und Bearbeitung gesellschaftlicher Großprobleme." *FIW Working Paper, No 2*.

TALKS (SELECTION)

- 2023** *Why Climate Communication Has Gotten Worse and How Science (Studies) Might Help*. Together with Youssef Ibrahim (Hamburg) at RRC and c.o/re international conference: Nowhere(to)land? What Science Studies Contribute to Science Communication. University of Bonn. June 2023.
- 2022** *Zurück in die Zukunft: Menschliche Klimamodifikation zwischen Geoengineering und Global Warming*. Workshop „Aufgaben Historischer Soziologie“, Zentrum für Interdisziplinäre Forschung, Universität Bielefeld, April 2022.
- 2021** *Engineering the Climate: Science, Politics, and Visions of Control*. Book Talk at the Climate Social Science Network (CSSN), December 2021.
- 2021** *State-Science Relations and the Rise of Climate Engineering*. Geographies of Knowledge Lunchtime Series, University of Cambridge, February 2021. (invited talk).
- 2019** *Engineering the Climate. The Career of an Unlikely Innovation?* Society for Social Studies of Science Annual Meeting, September 2019, New Orleans (USA).
- 2019** *Climate Engineering: How a Curious Scientific Idea Became Serious Politics*. Evening Lecture, Colby College, September 2019, Waterville, Maine (USA). (invited talk).
- 2018** *Expert Infrastructures in Grand Challenges. The Case of Geoengineering in the US*. Higher Seminar Series - Spring 2018, Division of the History of Science, Technology, and Environment, KTH Royal Institute of Technology, Stockholm. (invited talk).
- 2017** *Addressing Climate Change as an Engineering Challenge. Scientific Expertise in U.S. Geoengineering Politics*. Noontime Seminar at the Center for Science and Technology Policy, CIRES at the University of Colorado at Boulder, CO (USA). (invited talk).

ORGANIZED WORKSHOPS & SESSIONS

- 2023 **Navigating Model Land: Connecting Basic Research and Decision-Making.** Meeting of the Young Fellows at ZiF, Center for Interdisciplinary Research, University of Bielefeld. Organized together with Torbjørn Cunis, Nicole Ludwig, und Benjamin Paaßen. ZiF Bielefeld. March 2023.
- 2023 **What STS Contribute to Science Communication.** Session hosted together with Pascal Berger (Bonn), David Kaldewey (Bonn), and Holger Wormer (Dortmund) at STS-hub.de 2023: Circulations. RWTH Aachen. March 2023.
- 2022 **Wissenschaftsforschung in polarisierten Welten. Plurale Expertisen im Lichte existenzieller Herausforderungen.** Session of the „Sektion Wissenschafts- und Technikforschung“ at the 41. DGS-Congress in Bielefeld. Hosted together with Pascal Berger, Martina Franzen, und David Kaldewey. University of Bielefeld. September 2022.
- 2022 **Aufgaben Historischer Soziologie.** Founding Meeting of the Working Group “Historical Sociology” within the section for Cultural Sociology of the German Sociological Association. Organized together with Lars Gertenbach, Simon Hecke, Matthias Leanza, und Daniela Russ. ZiF, University of Bielefeld. April 2022.

TEACHING

Science and Society II. Seminar in the M.A. “Gesellschaft, Globalisierung, Entwicklung” at the University of Bonn, Winter Term 2020.

Science and Society I. Seminar in the M.A. “Gesellschaft, Globalisierung, Entwicklung” at the University of Bonn, Summer Term 2020.

Die Experten der Gesellschaft. Struktur, Genese und Zerfall von Expertengemeinschaften in der Weltgesellschaft. Seminar in the B.A. „Politics and Society”, at the University of Bonn, Winter Term 2019/20.

Ökologische Herausforderungen: Wissen, Macht und Geld in der Bearbeitung gesellschaftlicher Großprobleme. Seminar in the B.A. „Politics and Society”, at the University of Bonn, Summer Term 2019.

What’s the Point of Science? Struktur und gesellschaftliche Einbettung moderner Wissenschaft. Seminar in the B.A. “Politics and Society” at the University of Bonn, Winter Term 2018/2019.

Die Probleme der Gesellschaft. Große gesellschaftliche Herausforderungen als neue Form der Differenzierung in der Spätmoderne. Seminar in the M.A. “Gesellschaft, Globalisierung, Entwicklung” at the University of Bonn, Winter Term 2018/2019.

Verwissenschaftlichte Politik? Zur politischen Funktion wissenschaftlicher Expertise. Seminar in the B.A. “Politics and Society” at the University of Bonn, Summer Term 2016.

EXTERNAL FUNDS AND GRANTS

DAAD Gast-Lehrstuhl 2021-2023.

Funds granted for a DAAD Gast-Lehrstuhl with the denomination “Internationalisierung von Hochschulen im Horizont globaler Krisen”, together with David Kaldewey and Lena Laube.

NIAS-Lorentz Workshop 2020 (25,000€).

Funds granted by the Netherlands Institute for Advanced Studies (NIAS) and the Lorentz Center (Leiden) to organize a scientific workshop on “The Politics of Climate Engineering: Arenas, Actors, Timescales”, together with Ina Möller.

KNAW Early Career Partnership 2020 (10.000€).

Funds granted by the Dutch Royal Academy of Science (KNAW) to organize a scientific workshop on “The Politics of Climate Engineering: Arenas, Actors, Timescales”, together with Ina Möller.

International Summer School on Higher Education Research and Science Studies 2018.

Funded by the German Federal Ministry for Education and Research; organized together with David Kaldewey and Berit Stoppa.

Fulbright Scholarship 2016/17.

Research stay at CIRES Center for Science and Technology Studies, University of Colorado, Boulder.

AWARDS

2019 **First Prize (12,000 €) awarded by the Austrian Academy of Sciences**
 Essay competition (*Can the Social Relevance of Research be Evaluated and, if so, how?*), together with Julian Hamann and David Kaldewey.

2014 **Alumni-Preis 2014**
 For outstanding achievements in the Master-Studies of Sociology, awarded by Max-Weber-Institute for Sociology, University of Heidelberg.

POLICY ADVICE

Since 2022 Member of the UNESCO World Commission on the Ethics of Scientific Knowledge and Technology (COMEST)

2023 *The Emergence of Solar Radiation Modification. The Science-Politics Interface.* Talk at UBA Governance Workshop on Solar Radiation Modification. Umweltbundesamt. February 2023.

2023 *The Role of Scientific Expertise for Policy Making.* Symposium and Working Group Meeting of the UNESCO World Commission on the Ethics of Science and Technology. University of Pavia, Italy. May 2023 (invited talk).

PROFESSIONAL MEMBERSHIPS AND NETWORKS

Since 2022 Boardmember of the “Sektion für Wissenschafts- und Techniksoziologie“ in the German Sociological Association (DGS)

Since 2021 Visiting Fellow at FIW, University of Bonn

Since 2020 Founding member of the Working Group Historical Sociology (German Sociological Association)

Since 2020 Member of the Climate Social Science Network (CSSN), based at Brown University

Since 2019 Young Fellow at the “ZiF”, Center for Interdisciplinary Research, University of Bielefeld

Since 2018 Member of the German Sociological Association

Since 2018 Member of the Society for Social Studies of Science (USA)

PEER-REVIEW

Environmental Communication | Environmental Science & Policy | Leviathan | Zeitschrift für Soziologie (ZfS) | WIRES Climate Change