

Julia Schubert

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RESEARCH INTERESTS

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

SHORT BIOGRAPHY

Julia Schubert is a sociologist working in science studies and environmental sociology. Her research explores the role of (scientific) expertise in politics. In particular, she has worked on the rise of so-called climate engineering proposals.

Julia is post-doctoral researcher at the Department of Science Studies and Management at the University of Speyer, as well as 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 member of the UNESCO World Commission on the Ethics of Scientific Knowledge and Technology (COMEST) and board member of the "Sektion für Wissenschafts- und Techniksoziologie" within the German Sociological Association (DGS).

EDUCATION

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|-------------|--|
| 2019 | Ph.D. Sociology (<i>summa cum laude</i>)

Rheinische Friedrich-Wilhelms-Universität Bonn
Supervision: Prof. Dr. Rudolf Stichweh, Prof. Dr. David Kaldewey
Defended 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.

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. (forthcoming). Climate Engineering. In M. Sonnberger, A. Bleicher, M. Groß, *Handbuch für Umweltsoziologie*. Dordrecht: Springer

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

Hamann, J./ Schubert, J. (forthcoming). Was heißt und wie bewertet man die gesellschaftliche Relevanz der Wissenschaft? In D. Kaldewey (ed.), *Wissenschaftsforschung: Grundbegriffe, Forschungsfelder und Forschungsfragen*. Berlin: de Gruyter.

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)

- 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).
- 2021** *Das Klima regieren: Wissenschaftliche Expertise und die Politik technischer Klimaintervention*. Kolloquium sozialwissenschaftliche Klimaforschung, University of Hamburg, January 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 *Quantifying the Challenge: Numerical Expertise in U.S. Geoengineering Politics*. Second project conference on "Science, Numbers, and Politics" at the Heidelberger Akademie der Wissenschaften.
- 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).

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.

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.

PROFESSIONAL MEMBERSHIPS AND NETWORKS

- Since 2022** Boardmember of the “Sektion für Wissenschafts- und Techniksoziologie“ in the German Sociological Association (DGS)
- Since 2022** Member of the UNESCO World Commission on the Ethics of Scientific Knowledge and Technology (COMEST)
- 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)