

# DANIELA RUSS

## PERSONAL INFORMATION

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AFFILIATION: University of Toronto  
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WEBSITE: [www.danielaruss.net](http://www.danielaruss.net)

## RESEARCH INTERESTS

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historical sociology | economic sociology | sociology of science & technology | social studies of energy  
| social theory & critical theory | socialist and post-socialist societies

## RESEARCH EXPERIENCE

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| SINCE NOV 2019    | Post-Doctoral Researcher, University of Toronto & University of Guelph<br><i>Department of Sociology</i><br>Spezializing in Historical Sociology with a research project on Soviet energetics, the politics and economics of socialist energy planning.                                 |
| MAY 2019-OCT 2019 | Post-Doctoral Researcher, University of Bielefeld<br><i>Institute for World Society Studies</i>   |
| OCT 2017-MAY 2019 | Doctoral Researcher, University of Bielefeld<br><i>Institute for World Society Studies</i><br>Works in the Research Training Group on “World Politics: The Emergence of Political Arenas and Modes of Observation in World Society” funded by the German Research Foundation (DFG).     |
| APR 2016-JUN 2016 | Research Fellow, German Historical Institute, Moscow<br>Conducted archival research on early Soviet economic statistics, especially on the relation between national economic balances and planning theory.   |
| FEB 2014-SEP 2017 | Research Associate, Forum Internationale Wissenschaft, Bonn<br><i>Department of Science Studies</i><br>Worked in the research project on “Discovering, Exploring, and Addressing Grand Societal Challenges” funded by the Mercator Foundation (with David Kaldevey and Julia Schubert). |
| OCT 2011-JAN 2014 | Student Assistant, Berlin Social Science Center (WZB)<br>Worked in the “Comparative Manifesto Project,” assisted in formalizing the digitalization process of manifestos, conducted quantitative text analysis and assisted in raising third-party funds.                               |
| JUL 2011-SEP 2011 | Intern, Regional Office of the United Nations High Commissioner for Refugees, Belgrade<br>Developed and conducted a research project (interviews and fieldwork) on “Organizing Inclusion in World Society: Addressing Statelessness Among Serbian Roma”.                                |
| OCT 2009-SEP 2011 | Student Assistant, Humboldt University Berlin<br><i>Department for Slavic Languages</i><br>Organized academic publication processes, particularly the communication with contributors, text layout and formatting.  |

## EDUCATION & QUALIFICATION

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| 2014-2019 | PhD             | SOCIOLOGY<br>University of Bielefeld<br>Title: "Working Nature: A Historical Epistemology of the Energy Economy"<br>Supervisor: Prof. Dr. Tobias Werron, Prof. Dr. David Kaldewey |
| 2016-2017 | Year abroad     | FULBRIGHT VISITING SCHOLAR<br>Columbia University, New York<br>Supervisor: Timothy Mitchell   |
| 2013      | MA              | SOCIAL SCIENCES<br>Humboldt University Berlin<br>Thesis: "The Rise of Climate Politics. Tracing the Transformation of Climate Change into a Political Issue"                      |
| 2011-2013 |                 | PHYSICS & ENERGY ECONOMICS<br>Technische Universität Berlin (coursework, no degree)   |
| 2011      | Semester abroad | POLITICAL SCIENCES & INTERNATIONAL RELATIONS<br>University of Belgrade  |
| 2010      | BA              | SOCIAL SCIENCES (MAJOR), SLAVIC LANGUAGES (MINOR)<br>Humboldt University Berlin   |

## BOOKS

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**Russ, Daniela** (in progress): Working Nature. Steam, Power, and the Making of the Energy Economy (1830-1980).

**Russ, Daniela; Stafford, James** (ed.) (in progress): Competition in World Politics.

## PEER-REVIEWED PUBLICATIONS (SELECTION)

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**Russ, Daniela; Turnbull, Thomas** (under review): Comparing Energetic Productivity in the Early Twentieth Century. In: Russ, Daniela; Stafford, James (ed.): Competition in World Politics.

**Russ, Daniela** (under review): The Calculability of Power Systems. In: Centaurus, Special Issue on „Latent, present energy“ edited by Jonas Schädler and Felix Frey.

**Russ, Daniela** (forthcoming): Arming Labor with Energy: Energy Balancing and Economic Planning in the Early Soviet Union (1922-1928). In: Historical Materialism.

**Russ, Daniela** (October 2020): Strom der Wirtschaft und Wirtschaft des Stromes: Elektrizitätssysteme als energiewirtschaftliche Aufschreibesysteme (1880-1930). In: Zeitschrift für Medienwissenschaft 23, 74-83.

**Russ, Daniela** (2020): Speaking for the ‚Global Energy Economy‘: Electricity, Energo-Materialist Economics and the World Energy Council (1924-1978), In: The Journal for Global History 15 (2), 311-329.

**Russ, Daniela** (2019): The World Energy Council as an Archive for Research on Energy History. In: The Journal of Energy History/Revue d'Histoire de l'Énergie [Online], No. 4, published 19 December 2019, URL: <http://www.energyhistory.eu/en/node/147>.

**Kaldewey, David; Russ, Daniela; Schubert, Julia** (2018): The Politics of Grand Challenges. Energy Security and Geoengineering. In: Maasen, S., Dickel, S., Schneider, C. (ed.): TechnoScienceSociety. Technological reconfigurations of science and society. Heidelberg: Springer.

**Russ, Daniela (2017):** Making Sources of Energy: The Case of Coal (1900-1936). In: *Innovation: The European Journal of Social Science Research* 30 (3), 1-15.

**Kaldewey, David; Russ, Daniela; Schubert, Julia (2015):** Following the Problems. Das Programm der Nachwuchsforschergruppe "Entdeckung, Erforschung und Bearbeitung gesellschaftlicher Großprobleme" [Following the Problems. The Program of the Research Group on "Discovering, Exploring, and Addressing Grand Societal Challenges"]. *FIW Working Paper* (No. 2).

**Russ, Daniela; Schubert, Julia (2015):** Verwissenschaftlichung der Politik? Die Analyse massenmediale Darstellungskontexte politischer Entscheidungen (1947-2011) [Scientization of Politics? An Analysis of the Contexts of Political Decision Making in Newspapers (1947-2011)]. In: Lemke, Matthias; Wiedemann, Gregor (ed.): *Textmining in den Sozialwissenschaften*. Wiesbaden: VS Verlag für Sozialwissenschaften.

**Russ, Daniela (2014):** Die Entwicklung des Klimawandels als politisches Problem. Parteipositionen zum Klimawandel in den Wahlprogrammen deutscher, österreichischer und schweizerischer Parteien (1980-2013) [Tracing the Transformation of Climate Change into a Political Issues. Party Positions on Climate Change in Austrian, German and Swiss Manifestos (1980-2013)]. In: *der moderne staat* 7 (2), S. 353-373.

## BOOK AND CONFERENCE REVIEWS

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**Russ, Daniela (2019):** Die Lücke in der Theorie. Bericht zur Tagung „Grand Transformation“ in Jena vom 23.-27. September 2019. In: *Soziopolis*, 26. September 2019, URL: <https://soziopolis.de/vernetzen/veranstaltungsberichte/artikel/jenaer-splitter-iv-donnerstag/>.

**Russ, Daniela (2018):** Auf der Suche nach der verlorenen ökologischen Theorie. In: *Soziopolis*, 16. Oktober 2018, URL: <https://soziopolis.de/lesen/buecher/artikel/auf-der-suche-nach-der-verlorenen-oekologischen-theorie/>.

**Russ, Daniela (2018):** Monofrequenzgesellschaft. Bericht zur Tagung „Emanzipation“ in Berlin am 26. Mai 2018. In: *Soziopolis*, 6.6.2018, URL: [https://soziopolis.de/vernetzen/veranstaltungsberichte/artikel/berliner-splitter-ii-samstag/#\\_ftn4](https://soziopolis.de/vernetzen/veranstaltungsberichte/artikel/berliner-splitter-ii-samstag/#_ftn4).

## INVITED TALKS

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- 2019 "Energie 'denken'?" Presentation at the dies academicus, University of Bonn, May 15.
- 2018 "Ergo-Materialist Economics in the Early Soviet Union". Presentation held at the "Tracking Contemporary Metabolisms - Historicizing Ecological Epistemologies" Workshop at the University of Erfurt, December 11-12.
- 2018 "The Calculability of Power Systems". Paper presented at the "Latent, Present Energy" Workshop at the University of Berne, Switzerland, November 22-23.
- 2018 "Electricity, the Load Factor, and the Emergence of Developable Power Systems (1900-1930)". Paper presented at the "Money, Markets, and Governance" Workshop at the University of Chicago, April 3.
- 2017 "One of Many Kinds? Oil Substitution and Global Energy Balances." Presentation at the "International Economic Statistics" conference at the Freiburg Institute for Advanced Studies, June 9-10.

## CONFERENCE AND WORKSHOP CONTRIBUTIONS (SELECTION)

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- 2020 "Nature's Efficiency: *Energetika* as Political Ecology of the early Soviet Union (1923-1939)". Presentation at the American Society for Environmental History Annual Conference in Ottawa, March 19 (presented on a virtual Twitter conference due to Covid-19 conference cancellation, see: <https://twitter.com/UeberDruss/status/1240684997939519495?s=20>).
- 2019 "Stasis als Experiment. Zur Ermöglichung nicht-wachsender Energiesysteme". Presentation at the Regional Congress of the German Sociological Association, "Grand Transformation", University of Jena, September 23-28.
- 2019 "Towards a Rural Universal in Energy Development Politics (1975-1985)". Paper presented at the workshop "Energy, Culture, and Society in the Global South", University of Cambridge, May 31 - June 1.
- 2018 "Comparisons of Energetic Productivity in the Early Twentieth Century". Paper presented at the "Balance and Competition in World Politics" Workshop at the University of Bielefeld, November 9-10 (with Thomas Turnbull).
- 2018 "Warenform und Energiebegriff. Historisch-soziologische Überlegungen zu 'Energie' als Medium gesellschaftlicher Transformation. Presentation held at the Congress of the German Sociological Association (DGS), Göttingen, September 24-28.
- 2018 "Towards a Rural Universal in Energy Development Politics. UNEP's Rural Energy Centres (1975-1985)". Presentation held at the World Congress of the International Sociological Association, Toronto, July 15-21.
- 2018 "Arming Labor with Energy: Energy Balancing and Economic Planning in the Early Soviet Union (1922-1928)". Paper presented at the "Energy and the Left" Workshop at New York University, March 30-31.
- 2018 "The Science and Politics of the Energy Challenge". Paper presented at the "The Politics of Grand Challenges" Workshop, Forum Internationale Wissenschaft, Jan 24-25.
- 2017 "Global Energy Balances and the Politics of Oil Substitution (1960-1970)". Paper presented at the "Sovereignty, Economy, and the Global History of Natural Resources" Symposium at the University of Cambridge, Dec 18-19.
- 2017 "How is energy given to us? A phenomenological approach to energy". Paper presented at the "Energy and the Left" Workshop at New York University, April 14.
- 2017 "Making Sources of Energy". Paper presented on the Science, Knowledge, and Technology (SKAT) Workshop at Columbia University, New York, January 30.
- 2016 "Seeking Balance in Turbulent Times: The Work of the Commission on the National Economic Balance of the USSR from 1923-28". Presentation held at the DHI-Stipendiatentag at the German Historical Institute, Moscow, May 17.
- 2016 "The Making of Sources of Energy: The Case of Coal (1900-1936)". Paper presented on the Workshop "Sociology of Knowledge – Objects – Praxeology: Science Studies, Economic Sociology and Beyond" with Karin Knorr Cetina, University of Lucerne, March 14-17.
- 2016 "Experiencing National Energy Systems through Global Comparisons". Presentation at the „Experiencing the Global Environment“ Workshop at the Max-Planck-Institute for the History of Science, February 4-6.
- 2015 "The Politics of Grand Challenges. Energy Security and Geoengineering". Paper presented at the TechnoScienceSociety-Workshop at the Technical University Munich, November 23-25 (with David Kaldewey and Julia Schubert).
- 2015 "The Transformation of Knowledge about Energy. From 'Disciplinary' to 'Security' Dispositive?" Presentation at the 14th STS Conference "Critical Issues in Science, Technology and Society Studies", May 11-12, Graz, Austria.
- 2015 "Energy – Communicating about the Environment in Numbers". Paper presented at the Bielefeld Graduate School for History and Social Sciences Workshop "On Communicating through Numbers", January 23-24.
- 2014 "Energy Security and the Structure of Power Grids". Paper presented at the Berlin Graduate School for Social Science Workshop "Structural and Relational Approaches to Political Organization" with John Levi Martin and Jan Fuhse, June 19-20.

## AWARDS, SCHOLARSHIPS & FELLOWSHIPS (SELECTION)

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- 2020 IEEE Fellowship in the History of Electrical and Computing Technology
- 2020 Independent Social Research Foundation Flexible Grant for Small Groups (with Thomas Turnbull)
- 2020 Dissertation Award of the University of Bielefeld
- 2018 Congress Travel Grant of the German Academic Exchange Service (DAAD)
- 2018 Research Grant of the Comité d'histoire de l'électricité et de l'énergie, Fondation EDF
- 2016–2017 Fulbright Doctoral Fellowship
- 2016 Doctoral Research Scholarship, German Historical Institute (DHI), Moscow
- 2012–2013 Associated Fellow in the *Studienkolleg zu Berlin* of the National Academic Foundation (*Studienstiftung des deutschen Volkes*)
- 2011–2013 Student scholarship of the National Academic Foundation (*Studienstiftung des deutschen Volkes*)
- 2011 “Metropolises in Eastern Europe” scholarship (Metropolen in Osteuropa) of the National Academic Foundation (*Studienstiftung des deutschen Volkes*)
- 2009–2011 Associated Fellow in the *Gesellschaftswissenschaftliche Kolleg* of the National Academic Foundation (*Studienstiftung des deutschen Volkes*). Subject: ‘Order and conflict. On the fragile stabilisation of contemporary societies’ (*Ordnung und Konflikt. Zur fragilen Stabilisierung von Gesellschaften der Gegenwart*)
- 2009–2011 Student scholarship of the Heinrich Boell Foundation
- 2009 Summer School scholarship of the German Academic Exchange Service (DAAD), for a three-week Summer School in Tbilisi, Georgia
- 2009 Associated Fellow in the *Freiwilligenkolleg* of the Robert Bosch Foundation. One year training in fundraising, project management and public relations management for social projects
- 2006–2007 Volunteering with Miloserdie, Moscow, sponsored by the Jugendaufbauwerk Berlin

## SERVICE TO PROFESSION

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- 2020 Organization of a Historical Sociology Network within the German Sociological Association.
- 2019 Organization of a workshop on “Organizing Competition in World Politics” at the University of Bielefeld, October 24-25, 2019 (with Anatoly Boyashov, Madeleine Myatt, Johannes Nagel, and James Stafford).
- 2018 Organization of a workshop on “Balance and Competition in World Politics” at the University of Bielefeld, November 9-10, 2018 (with Anatoly Boyashov, Madeleine Myatt, Johannes Nagel, and James Stafford).
- 2018 Organization of a workshop on “The Politics of Grand Challenges”, Forum Internationale Wissenschaft, Bonn, January 24-25, 2018 (with David Kaldewey and Julia Schubert).
- 2017 Journal Manuscript Review for Energy Research & Social Sciences
- 2017 Organization of a workshop on “Energy and the Left”, New York University, April 14 (with Troy Vettese).
- 2015 Organization of a conference on “Responsivität in Wissenschaft, Politik und Wirtschaft”, Forum Internationale Wissenschaft, Bonn, September 17-19 (with David Kaldewey and Julia Schubert).

## TEACHING EXPERIENCE

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- Fall 2015 UG Seminar “Macht der Zahlen – Zahlen der Macht [Power of Numbers – Numbers of Power]”
- Fall 2014 UG Seminar “Die Soziologie des Geldes [Sociology of Money]”
- Fall-Spring 2009 Project Seminar & Student Excursion to Sarajevo “Die Politik mit der Vergangenheit auf dem Balkan [The Politics of Memory in the Balkans]” (with Julia Kowalski)

## LANGUAGES

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| German  | Native speaker                     |
| English | Fluent in speaking and reading     |
| Russian | Fluent in speaking and reading     |
| Serbian | Advanced, speaking and reading     |
| French  | Intermediate, speaking and reading |
| Spanish | Beginner                           |

## MEMBERSHIPS

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Deutsche Gesellschaft für Soziologie  
Institut für Weltgesellschaft der Universität Bielefeld

Toronto, 2. September 2020