Dr. Christoph Rosol
Curriculum Vitae

Postdoctoral Research Fellow
Chair of Digital Cultures
Dresden University of Technology

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Research Associate
Max Planck Institute of Geoanthropology
Jena

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Career & Education

since Nov 2025	Postdoctoral Researcher at the Chair of Digital Cultures, TU Dresden
March 2025	Ph.D. awarded by the University of Vienna (History of Science, *summa cum laude*)
Sep–Dec 2024	Research Scholar at the Max Planck Institute of Geoanthropology (MPIGEA), Jena, now affiliated scholar
2014–2024	Research Scholar at the Max Planck Institute for the History of Science, Berlin
2012–2022	Researcher and Curator at Haus der Kulturen der Welt (HKW), Berlin
2008–2011	Member of the DFG Research Training Group Media Historiographies, Weimar
2008	Fellow at the German Historical Institute, Washington, D.C.
2007	Freelance author for newspapers and magazines
2002–2003	History and Philosophy of Science at the University of Toronto (fellowship awarded by the DAAD)
1998–2006	M.A. Cultural Studies and History at the Humboldt University Berlin

Research Interests

- Transdisciplinary methods across sciences, humanities, arts, and activism
- Historical and current dimensions of Anthropocene science and humanities
- History and epistemology of the sciences, in particular the climate and paleoclimate, ocean and atmospheric sciences, geology and geochemistry, climate engineering
- History and epistemology of technology, media, and computing
- Infrastructures and their breaking points
- Rise and future of the technosphere
- Socio-ecological, digital, and energy transformations
- Societal and biophysical tipping points
- Environmental Humanities
- Environmental History
- Shifting and clashing temporalities
- Astrobiology and stages of planetary evolution

Qualifications & Experience

Initiation and strategic development of international and/or transdisciplinary cooperation projects; curation of public art&science projects, conceptual design and editing of diverse text materials (publications, grant applications, dossiers); conception and organization of events, both academic and public; public relations; committee work.

More specifically:

- Establishment and management of the umbrella research focus *Anthropocene Formations* at the MPIWG, incl. organization of the monthly *Anthropocene Colloquium*
- Co-initiation und co-development of the *Geoanthropology* initiative leading to the successful foundation of the MPIGEA
- Conceptual design, co-curation and scientific lead of multi-year transdisciplinary projects to cross-integrate science, humanities, art, and culture at the HKW
  - *The Anthropocene Project* 2013–2014
  - *Anthropocene Curriculum* 2013–2022
  - *Technosphere* 2015–2019
  - *Evidence & Experiment* 2020–2022
- Development and chief co-editing of the online journal Technosphere Magazine and the community platform *anthropocene-curriculum.org*

Awards
(personal grants and membership in grant projects)

2026	Printing Cost Grant for the book "Experimentelle Erdgeschichtsschreibung" awarded by the Austrian Science Foundation FWF
Oct–Nov 2023	Writing Grant at Grundner Haus awarded by the Max-Planck-Förderstiftung
2010–2012	Member of DFG Scientific Network Atmosphere & Algorithms
2008–2012	Stipendiary of DFG Research Training Group Media Historiographies, Weimar
May–Aug 2008	Fellow at the German Historical Institute, Washington, D.C.
2002–2003	DAAD Study Scholarship for the master's program at the University of Toronto

Project Grants
(raised funds)

(2018-19) *Mississippi: An Anthropocene River*, Max Planck Society, € 265.000 (scientific project lead)

(2018-19) *Mississippi: An Anthropocene River*, Federal Foreign Office of Germany, € 500.000 (scientific project lead)

(2016) *Anthropocene Campus: The Technosphere Issue*, Volkswagen Foundation, € 63.500 (concept development and research associate)

(2013-14) *Anthropocene Curriculum*, Fritz Thyssen Foundation, € 70.000 (scientific project lead)

Advanced Training

Science Management, Leibniz Leadership Academy, Berlin, May 19–20, 2025

Leadership Skills, Max Planck Institute for Molecular Biology, Berlin, May 2–3, 2019

Professional & Community Affiliations

Science Platform Sustainability 2030, aide to steering board member Jürgen Renn

Sustainability Group of the MPIWG, founding member and website editor

Anthropocene Commons e.V.

Anthropocene Sediment Network

Young Earth System Scientists

Naturschutzbund Deutschland e.V.

Public & Curatorial Works

2023 Joint Press Conference of the Anthropocene Working Group and the Max Planck Society
Public announcement of the AWG's recommendation for the chronostratigraphic section marking the onset of the Anthropocene

2020–2022 *Evidence & Experiment*
A series of events, online publications and an exhibition contextualizing the work of the Anthropocene Working Group
– *Unearthing the Present*
– *Anthropogenic Markers*
– *Collaborative Practice on a Changing Planet*

2018–2019 *Mississippi. An Anthropocene River*
Distributed field-research, public forums, workshops, and journeys on and along the Mississippi River as a symbol and manifestation of Anthropocene transformations *in situ*

2017–2018 *Anthropocene Lectures*
Distinguished lecture series co-hosted by HKW, MPIWG, RIFS Potsdam

2015–2019 *Technosphere*
Explorations of a novel, human-made Earth sphere via public events and an online magazine
– *The Technosphere, Now*
– *Technosphere × Knowledge*
– *Anthropocene Campus: The Technosphere Issue*
– *1948 Unbound*
– *Technosphere Magazine*

2013–2023 *Fundamental Research and Shaping the Future*
Distinguished presentation and discussion series on matters of global sustainability ahead of the annual meetings of the Scientific Council of the Max Planck Society

2012–2014 *The Anthropocene Project*
The original project pioneering the transdisciplinary investigation of the Anthropocene
– *The Anthropocene Project. An Opening*
– *A Matter Theater*
– *Anthropocene Campus*

Academic Events Organized

(2025, May 22-23) *Planetary Genealogies*, Venice.

(2021, Sep 22-24) *Anthropogenic Markers*, Berlin.

(2021, Jun 3-4) *The Social Dynamics of the Technosphere*, Berlin.

(2020, Oct 12) *The Techno-Biosphere*, Berlin.

(2019, Dec 15-17) *Geoanthropology. Comprehending the Human-Earth System*, Berlin.

(2019, Nov 10-16) *Anthropocene River Campus: The Human Delta*, New Orleans.

(2019–2021) *Anthropocene Colloquium*, monthly colloquia, Berlin.

(2018, Feb 20-21) *Transformations of Energy Systems: Historical Perspectives on the Anthropocene*, Berlin.

(2017–2018) *Anthropocene Lectures*, lecture series, Berlin/Potsdam.

(2017, Jan 17-18) *Energy Transformations: Perspectives from the Humanities*, Berlin.

(2016, Apr 15-22) *Technosphere Campus*, Berlin.

(2014, Nov 14-22) *Anthropocene Campus*, Berlin.

(2013, Jan 11) *Anthropocene Research Roundtable*, Berlin.

(2013, Jan 10) *Anthropocene Research Forum*, Berlin.

(2009, Oct 15-17) *Katastrophe. Medien und Geschichte*, Weimar.

Publications

(For academic track record see also the profile on Google Scholar)

Monographs

(forthcoming) *Experimentelle Erdgeschichtsschreibung. Paläoklimatologie und die Gegenwart der Tiefenzeit.* Göttingen: Wallstein

(2008) *RFID. Vom Ursprung einer (all)gegenwärtigen Kulturtechnologie*, Berlin: Kadmos Verlag. (second edition 2016)

Editorships

(2024) *Evidence Ensembles*, ed. by Christoph Rosol, Giulia Rispoli, Katrin Klingan und Niklas Hoffmann-Walbeck, Leipzig: Spector Books.

(2015–2022) *anthropocene-curriculum.org*, Editor-in-Chief jointly with Katrin Klingan.

(2022) *Anthropogenic Markers: Stratigraphy and Context*, online publication ed. by Christoph Rosol and Giulia Rispoli, Berlin: MPIWG.

(2021) *The Mississippi Papers* (Part 1 and 2), The Anthropocene Review 8:2 and 8:3 (double special issue ed. by Thomas Turnbull, Christoph Rosol, and Jürgen Renn).

(2019) *Technosphäre*, ed. by Katrin Klingan and Christoph Rosol, Berlin: Matthes & Seitz.

(2016–2019) *Technosphere Magazine*, Editor-in-Chief jointly with Katrin Klingan.

(2018) *Technology and the Sublime*, Azimuth 12:2, ed. by Giulia Rispoli and Christoph Rosol.

(2017) *Perspectives on the Technosphere* (Part 1 and 2), The Anthropocene Review 4:1 and 4:2 (double special issue ed. by Sara Nelson, Christoph Rosol, and Jürgen Renn).

(2014) *Textures of the Anthropocene: Grain, Vapor, Ray* (4 volumes), ed. by Katrin Klingan, Ashkan Sepahvand, Christoph Rosol, Bernd Scherer, Cambridge/London: MIT Press.

Scientific Articles (journals and edited books)

(proposal together with Alexandra Ksenofontova) *Taphonomic futures: Ivan Yefremow and planetary time after nature*, e-flux.

(under review) *At the turbulent bottom of the archive. On marine sediments, oceanic islands, and trite tropes*, in: Natural-Cultural Memory, ed. by Gabriele Dürbeck and Simon Probst, New York: Bloomsbury.

(forthcoming) *Earth, a deterritorialized testing ground*, in: Planetary Experiments: Environments by Design, ed. by Michaela Büsse and Johanna Mehl, Lüneburg: Meson Press.

(forthcoming) *Tiefen-Signaturen. Geochemische Aitiologie trifft astrobiologische*, in: Tiefe Gründe. Erzählungen und Erklärungen aus der Tiefenzeit, ed. by Irmela Marei Krüger-Fürhoff, Liola Mattheis, Georg Toepfer, and Liza Wyludda, Berlin: DeGruyter/Brill.

(in press) *Dating Earth's catastrophes: A Short and Slightly Unconventional History of Geochronometry*, Anthropocene History 1:1-2, 25–50.

(2026) (co-authored with Georg Schäfer, Jürgen Renn and Jochen Büttner) *Science or Strategy? The Rejection of the Anthropocene Epoch Demands Transparency*, Earth's Future 14:9, e2025EF007638.

(2026) *Flows of Air, Flows of Electrons*, The Anthropocene Review 13:2 (special issue: Historical Epistemologies of Planetary Modeling, ed. by Adam Wickberg and Thomas Turnbull), 194–212.

(2025) *Atmospheric Signals, Tubed*, in: Reckoning With Everything. The Becoming-Environmental of Computing, ed. by Benedikt Merkle and Bernhard Siegert, Lüneburg: Meson Press, 91–108.

(2024) (co-authored with Giulia Rispoli, Katrin Klingan, and Niklas Hoffmann-Walbeck) *Markers that Matter*, in: Evidence Ensembles, ed. by Christoph Rosol, Giulia Rispoli, Katrin Klingan, and Niklas Hoffmann-Walbeck, Leipzig: Spector Books, 5–9.

(2023) (co-authored with Georg Schäfer, Simon Turner, Colin Waters, Martin Head, Jan Zalasiewicz, Carlina Rossée, Jürgen Renn, Katrin Klingan, Bernd M Scherer) *Evidence and experiment: Curating contexts of Anthropocene geology*, The Anthropocene Review 10:1, 330–339.

(2022) (co-authored with Felix Creutzig, Daron Acemoglu, Xuemei Bai, Paul N. Edwards, Marie Josefine Hintz, Lynn H. Kaack, Siir Kilkis, Stefanie Kunkel, Amy Luers, Nikola Milojevic-Dupont, Dave Rejeski, Jürgen Renn, David Rolnick, Daniela Russ, Thomas Turnbull, Elena Verdolini, Felix Wagner, Charlie Wilson, Aicha Zekar, and Marius Zumwald) *Digitalization and the Anthropocene*, Annual Review of Environment and Resources 47, 479–509.

(2022) *1948*, in: Environing Media, ed. by Adam Wickberg and Johan Gärdebo, London: Routledge, 75–92.

(2022) *When the Signal Disappears in the Noise*, in: Anthropogenic Markers. Stratigraphy and Context, ed. by Christoph Rosol and Giulia Rispoli, Anthropocene Curriculum.

(2022) *A Mid-Twentieth Century Start Date for Anthropocene Geology*, in: Anthropogenic Markers. Stratigraphy and Context, ed. by Christoph Rosol and Giulia Rispoli, Anthropocene Curriculum.

(2022) (co-authored with Jürgen Renn) *Afterword*, in: Altered Earth: Getting the Anthropocene Right, ed. by Julia Adeney Thomas, Cambridge: Cambridge University Press, 259–262.

(2022) (co-authored with Marit Rosol) *Food, Pandemics, and the Anthropocene – On the necessity of food and agriculture change*, Canadian Food Studies 9:1, 281–293.

(2021) *Finding common ground: The global Anthropocene Curriculum experiment*, The Anthropocene Review 8:3, 221–229.

(2021) (co-authored with Thomas Turnbull and Jürgen Renn) *Introduction: The Mississippi River Basin—a model for studying the Anthropocene in situ*, The Anthropocene Review, 8:2, 99–114.

(2021) *Time depth. Jean Epstein, Michel Serres, and operational model time*, in: Narratives of Scale in the Anthropocene: Imagining Human Responsibility in an Age of Scalar Complexity, ed. by Gabriele Dürbeck and Philip Hüpkes, London: Routledge, 55–72.

(2021) *Welt im Fieber. Zur Notwendigkeit einer globalen Agrar- und Ernährungswende*, in: Der kritische Agrarbericht 2021, München: ABL-Verlag, 8–12.

(2020) *Finding common ground: The global Anthropocene Curriculum experiment*, in: Jinshinse wo tou: Kankyo, jinbun ajia no shiten (Anthropocene and Asia: Investigation, Critique, and Contribution from the Environmental Humanities Perspective), ed. by Masahiro Terada and Daniel Niles, Kyoto: Kyoto University Press, 439–458.

(2019) (co-authored with Katrin Klingan) *Technische Allgegenwart – ein Projekt*, in: Technosphäre, ed. by Katrin Klingan and Christoph Rosol, Berlin: Matthes&Seitz, 12–25.

(2019) *1948*, in: Technosphäre, ed. by Katrin Klingan and Christoph Rosol, Berlin: Matthes & Seitz, 214–234.

(2018) (co-authored with Benjamin Steininger, Jürgen Renn, Robert Schlögl) *On the age of computation in the epoch of humankind*, Nature Outlook (December issue: Digital Revolution).

(2017) *Data, models and Earth history in deep convolution. Paleoclimate simulation experiments and their epistemological unrest*, Berichte zur Wissenschaftsgeschichte 40:1 (special issue: Climate Change in the Trading Zone, ed. by Isabell Schrickel and Christoph Engemann), 120–139.

(2017) (co-authored with Sara Nelson and Jürgen Renn) *In the machine room of the Anthropocene*, The Anthropocene Review 4:1, 2–8.

(2017) (co-authored with Jürgen Renn, Robert Schlögl, Benjamin Steininger) *A rapid transition of the world's energy systems*, Nature Outlook (November issue: Energy Transformation).

(2017) *Which design for a weather predictor? Speculating on the future of electronic forecasting in post-war America*, in: Cultures of Prediction in Atmospheric and Climate Science. Epistemic and Cultural Shifts in Computer-based Modelling and Simulation, ed. by Matthias Heymann, Gabriele Gramelsberger, and Martin Mahony, London: Routledge, 68–84.

(2015) *Hauling Data. Anthropocene Analogues, Paleoceanography and Missing Paradigm Shifts*, Historical Social Research 40:2 (Special Issue: Climate and Beyond. The Production of Knowledge about the Earth as a Signpost of Social Change, ed. by Andrea Westermann and Christian Rohr), 37–66.

(2012) translation of Paul Edwards: *Eindämmung. Computertechnik und die Politik des Kalten Krieges*, Tumult 38, p. 11–17.

(2010) *From Radar to Reader. On the Origin of RFID*, Aether. The Journal of Media Geography 5, 37–49.

(2009) *Rotoren und Leewellen. Figuren der (In-)Stabilität um 1937*, ilinx 1, 71–97.

(2009) *Kollisionen. RFID und die zeitliche Logistik der Signale*, in: Zeitkritische Medien, ed. by Axel Volmar, Berlin: Kadmos, 255–266.

(2009) *Strichcode: Konsumschleusen*, Arch+ 191/192 (special issue: Schwellenatlas. Vom Abfallzerkleinerer bis Zeitmaschine), 110–115.

White & Policy Papers

(2021) (lead authorship together with Jürgen Renn) *Towards a Max Planck Institute for Geoanthropology*, white paper presenting the research agenda for a new institute and summarizing the results of five preparatory workshops (2017-21).

(2015) (together with Raghavendra Gadagkar, Manfred D. Laubichler, Helga Nowotny, Jürgen Renn, and Bernd Scherer) *Towards Curricula in the Anthropocene*, policy paper of a working group following the conference *Curricula and Humanistic Scholarship: Between Tacit Knowledge and Public Discourse*, Sep. 9–10, 2015, Jerusalem/Tel Aviv.

Public Scholarship (selection of feature articles, newspapers, magazines)

(2023) (co-authored with Georg Schäfer) *The Anthropocene's Signal: What the Geology of the Present Beckons for the Future of Research*, MPIWG Feature Story (print/online).

(2021) (co-authored with Andreas Doepke, Nick Houde, Katrin Klingan, Lorna McDowell, Carlina Rossée, Georg N. Schäfer, and Fiona Shipwright) *Going part of the way together. A kinship of curricula approaches*, Anthropocene Curriculum.

(2020) (co-authored with Jürgen Renn and Robert Schlögl) *Der Schock hat System*, Süddeutsche Zeitung, April 15, 9.

(2020) *Zeit für eine Neuorientierung*, Kurs 5, 42-43.

(2019) (co-authored with Thomas Turnbull) *The Mississippi Project: Disclosing the Anthropocene in the American Heartland*, MPIWG Feature Story (print/online).

(2019) (jointly with Thomas Turnbull) *The Mississippi (An Anthropocene River), Cultures of Energy*, podcast.

(2017) (principal editor) *1948 Unbound: Entfesselung der technischen Gegenwart*, 16-page supplement for the German newspaper TAZ.

(2014) *Trying to assemble an "Anthropocene Curriculum"*, news item on environmentalhumanities.org.

(2008) *Das Kreuz mit den Strichen*, Neue Zürcher Zeitung, Feb. 6.

(2007) *35 Jahre Strichcode in der Schweiz*, Handel Heute 5, 96-99.

(2007) *This Strippenzieher*, Süddeutsche Zeitung, June 9.

(2006) *Wanzen für die Welt*, brand eins 10 (Oct), 42-50.

(2006) (co-authored with Susanne Utzt) *Doktorspiele*, brand eins 8 (Aug), 88-89.

Peer Review

- Nature Reviews Earth & Environment
- The Anthropocene Review
- Anthropocene
- Science, Technology, & Human Values
- Humanities and Social Sciences Communications
- Earth System Dynamics

Editorial Advisory Board

- Anthropocene History

Keynotes, Talks, Presentations

Materializing Value, session chairing at the international conference: Petrocultures 2026, Dresden University of Technology, Aug 26, 2026.

The more causes, the more hypotheses: The "paleothermal problem" around 1900, Institute of History, University of Bern, May 12, 2026.

Tuning into the "large scale geophysical experiment": The International Geophysical Year 1957-58, Forum Basiliense, University of Basel, May 5, 2026.

KTH Summer School: Anthropocene Histories, teaching faculty, Stockholm, Aug. 25–28, 2025.

Counting Isotopes: Nuclear Separations of Past from Present (and Ice Age from Hot House Earth), ESEH 2025, Uppsala, Aug. 16–22, 2025.

Sediments of the 'old oceans', presentation at the Anthropocene Sediment Network Conference 2025, online, June 18, 2025.

Ground-truthing the Anthropocene, keynote at the international conference: Collaborations Afield. Work Across Ecologies and Disciplines, Harvard University, March 27–29, 2025.

Tiefenzeit-Experimente. Paläoklimatologie als Maßgebung, talk at the workshop: Deep Time: (Durch) geologische Zeit erzählen und erklären, FU Berlin, June 13–14, 2024.

The Great Digitalization, presentation at the workshop: GegenwartsErde/ContemporaryEarth, Spreepark Art Space, Berlin, April 10–12, 2024.

Tubed Climate Signals, talk at the international conference: Reckoning with Everything, Bauhaus University Weimar, March 26–28, 2024.

Impulse, die die Welt durchfluten. Medienhistorische Ursprünge und Logiken von RFID, keynote at Zukunftsworkshop ubiTag: Printable RFID – eine Neuordnung der Welt?, Essen, Feb. 29–March 1, 2024.

Circulation. From the Hydrodynamic Model of a Mechanical Aether to the Mechanist Model of an Hydrodynamic Atmosphere, talk at the international conference: Historical Epistemologies of Planetary Modelling, MPIWG Berlin, June 8–9, 2023.

Data describe, models explain? Some Historical Remarks on the Relationship between Paleoclimatology and Climate Modeling, talk at the retreat of the Max Planck Institute for Meteorology, Berlin, Jan. 25, 2023.

Temporal Topology, panel contribution to: Temporal Topologies: Inflecting the Telling and the Told of Historical Narratives, Digital Humanities 2022, Tokyo, July 25–29, 2022.

On the Technosphere (with Katrin Klingan), lecture at: Anthropocene Lecture Series, Dartmouth College, Feb. 24, 2022.

Anthropogenic Changes Minus the Anthropos (with Ricarda Winkelmann), Workshop: Understanding Anthropogenic Change, MPIWG, Feb. 11, 2022.

Time and Technosphere, Workshop: Geoanthropology, MPIWG, Jan. 6, 2022.

From the Top Down and From the Bottom Up: Anthropocene Knowledge, keynote to: Anthropocene Forum, Foz Coa, Portugal, June 15, 2021.

Zur Technosphäre, Lecture: Design & Ecology lecture series, Zurich University of the Arts, March 15, 2021.

Operational Timescales, Workshop: Narratives of Scale in the Anthropocene, HKW, Sep. 13, 2019.

Anthropocene: Implications for knowledge production and cultural practice , poster presentation, EGU General Assembly, April 7–12, 2019.

Collagiertes Wissen, panel contribution to: Provokationen des Anthropozäns, annual conference of the GWMT, Bochum, Sep. 13, 2018.

The Anthropocene Curriculum project, panel contribution to: Becoming Terrians. Transformative Knowledges to Navigate the Anthropocene, UNESCO World Humanities Conference, Liège, Aug. 7, 2017.

Paleoclimate Experiments, presentation at the international conference: Dealing with Climate Change: Calculus & Catastrophe in the Age of Simulation, University of Lüneburg, June 25-26, 2015.

Anthropozän, Futurum Exactum, talk at Poesiefestival Berlin, Academy of Arts, Berlin, June 24, 2015.

Anthropocene Curriculum, presentation at the colloquium: Framing Art, Science, and Technology, Dresden Academy of Fine Arts / Technical University Dresden, April 9, 2014.

The Anthropocene Project, international conference: Thinking the Anthropocene, Sciences Po / EHESS / National Museum of Natural History, Paris, Nov. 13-15, 2013.

Das Anthropozän im geohistorischen Rauschen, annual conference of the Society of Media Studies (GfM), Lüneburg, Oct. 3–5, 2013.

Extremely Noisy and Incredibly Close. Reconstructing Deep-time Climate Change as a Means to Define the Present, international conference: Knowledge Production About Planet Earth, University of Bern, Jan. 23-25, 2013.

History of Climate Modeling, talk at the KlimaCampus Colloquium, Max Planck Institute for Meteorology, Hamburg, Sep. 12, 2012.

Is the Theory of Kulturtechnik a Theory of Everything?, talk at the workshop: What is Kulturtechnik?, Humboldt University Berlin, June 8, 2012.

Enlightening and Convincing via the Internet, panel moderation at the international conference "Pictur(e)ing Climate – Visualizations, Imaginations, Documentations", Potsdam Institute for Climate Impact Research / University of Potsdam, Jan. 19-20, 2012.

Ätherwind. Vilhelm Bjerknes' Strömungslinien, talk at the workshop: Epistemological Power of the Line, University of Potsdam, Feb. 19, 2010.

Identifying with Radar, annual conference of the International Committee for the History of Technology, University of Victoria, BC, Aug. 10, 2008.

Synoptik: Graphische Datenverarbeitung vor Beginn der numerischen Meteorologie, workshop at the Max Planck Institute for Meteorology, Hamburg, April 8, 2008.

Himmelsingenieure. Wettermodifikation vor 50 Jahren, public talk at IFA, Berlin, Sep. 4, 2007.

From Radar to Reader, talk at international conference: Locative Media Summer Conference, University of Siegen, Sep. 3, 2007.