

Literature

- Abend, Pablo (2018). "Seasons change, so do we: heterogeneous temporalities, algorithmic frames and subjective time in geomedial", in: Lammes, S., Perkins, C., Gekker, A., Hind, S., Wilmott, C., Evans, D. (Eds.), *Time for Mapping: Cartographic Temporalities*. Manchester University Press.
- Abend, Pablo (2013): *Geobrowsing*. Bielefeld.
- Abend, Pablo et al. (2012): "Geobrowsing Behaviour in Google Earth – A Semantic Video Content Analysis of On-Screen Navigation", in: *GI Forum* 12.
- Ackoff, Russell L. (1989): "From Data to Wisdom", in: *Journal of Applied Systems Analysis* 16 (1), 3-9.
- Adler, Mortimer Jerome (1986): *A Guidebook to Learning: For a Lifelong Pursuit of Wisdom*, London.
- AI Now (2018): *2018 Report*. New York.
- Anand, Nikhil et al. (Eds.) (2018): *The Promise of Infrastructure*, Durham.
- Asayama, Shinichiro et al. (2019): "Beyond Solutionist Science for the Anthropocene: To Navigate the Contentious Atmosphere of Solar Geoengineering", in: *The Anthropocene Review* 6 (1-2), 19-37.
- Bailey, Diane E. et al. (2012): "The Lure of the Virtual", in: *Organization Science* 23 (5), 1485-1504.
- Baker, Monya (2016): "1,500 Scientists Lift the Lid on Reproducibility", in: *Nature* 533 (7604), 452-454.
- Barnes, Jessica/Dove, Michael R. (2015): *Climate Cultures: Anthropological Perspectives on Climate Change*, Yale University Press.

- Barry, Andrew et al. (2008): "Logics of Interdisciplinarity", in: *Economy and Society* 37 (1), 20-49.
- Bateson, Gregory (1987): *Steps to an Ecology of Mind: Collected Essays in Anthropology, Psychiatry, Evolution, and Epistemology*, Northvale, N.J.
- Beck, Ulrich (2002): "The Terrorist Threat: World Risk Society Revisited", in: *Theory, Culture & Society* 19 (4), 39-55.
- Bender, Cora/Zillinger, Martin (2015): *Handbuch der Medienethnographie*, 1st edition, Berlin.
- Berners-Lee, Tim (2009): "Linked Data – Design Issues", www.w3.org/DesignIssues/LinkedData.html, 08.08.2019.
- Blumenthal, Ines et al. (2016a): *Vorschläge für die Vermittlung des Klimawandels im Bildungskontext*, Potsdam.
- Blumenthal, Ines et al. (2016b): "Climate Impacts for German Schools – an Educational Web Portal Solution", in *Handbook of Climate Change Communication*, New York.
- Boch, Ralph (2008): *Der Potsdamer Telegrafenberg: ein traditionsreicher Forschungsstandort zwischen DDR und wiedervereinigtem Deutschland; zum Festakt anlässlich der Verabschiedung von Herrn Prof. Dr. Dr. h.c. Rolf Emmermann am 8.1.2008*, Potsdam, <http://gfgz-public.gfgz-potsdam.de/pubman/item/escidoc:8736>, 16.07.2019
- Bolter, J. David/Gromala, Diane (2003): *Windows and Mirrors: Interaction Design, Digital Art, and the Myth of Transparency*, Cambridge, Mass.
- Borra, Erik/Rieder, Bernhard (2014): "Programmed method: developing a toolset for capturing and analyzing tweets", *Aslib Journal of Information Management* 66 (3), 262-278.
- Bowker, Geoffrey C. (1994): "Information Mythology: The World of/as Information", in: Lisa Bud-Frierman (Ed.), *Information Acumen: The Understanding and Use of Knowledge in Modern Business*, Andover, UK, 231-247.
- Bowker, Geoffrey C. (2005): *Memory Practices in the Sciences. Inside Technology*, Cambridge, Mass.

- Bowker, Geoffrey C. (2015): "Temporality", Cultural Anthropology Website, 24.09.2015, <https://culanth.org/fieldsights/temporality>, 02.04.2019.
- Bredenkamp, Horst, et al. (Eds.) (2012): *Das Technische Bild: Kompendium zu einer Stilgeschichte wissenschaftlicher Bilder*, Berlin/Boston.
- Bresch, David (2015): "CLIMADA Manual", Software manual, 23.01.2017, <https://climate-adapt.eea.europa.eu/metadata/tools/climada>, 02.04.2019.
- Bundesregierung (2018): "Nationale KI-Strategie", Nationale Strategie für Künstliche Intelligenz, <https://www.ki-strategie-deutschland.de/home.html>, 02.04.2019.
- Burkhardt, Marcus (2015): *Digitale Datenbanken. Eine Medientheorie Im Zeitalter von Big Data*, Bielefeld.
- Callon, Michel (1984): "Some Elements of a Sociology of Translation: Domestication of the Scallops and the Fishermen of St Briec Bay", in: *The Sociological Review* 32 (S1), 196-233.
- Carlyle, Thomas (1993): *On Heroes, Hero-Worship, and the Heroic in History*, Vol. 1, Berkeley, Calif.
- Charney, Jule et al. (1979). *Carbon Dioxide and Climate: A Scientific Assessment* (Ad Hoc Study Group on Carbon Dioxide and Climate). National Academy of Sciences, Washington D.C.
- Clarke, Adele E. (2003): "Situational Analysis. Grounded Theory Mapping after the Postmodern Turn", 2003.
- Computing Research Association (2016): "Computing Research and the Emerging Field of Data Science", in: *CRA Bulletin* (blog), 07.10.2016, <https://cra.org/data-science/>.
- Costello, Mark J. (2009): "Motivating Online Publication of Data", in: *BioScience* 59 (5), 418-427.
- Crampton, Jeremy W. et al. (2013): "Beyond the geotag: situating 'big data' and leveraging the potential of the geoweb." in: *Cartography and Geographic Information Science* 40, 130-139. <https://doi.org/10.1080/15230406.2013.777137>

- Crawford, Kate (2013): “The Hidden Biases in Big Data”, in: *Harvard Business Review*, 01.04.2013, <https://hbr.org/2013/04/the-hidden-biases-in-big-data>, 02.04.2019.
- Crawford, Kate/Calo, Ryan (2016): “There Is a Blind Spot in AI Research”, *Nature* 538 (7625), 311-313.
- Creative Commons (2019): “CC BY 4.0.” 2019, <https://creativecommons.org/licenses/by/4.0/>.
- Crutzen, Paul J. (2006): “The ‘Anthropocene’”, in: Eckart Ehlers/Thomas Krafft (Eds.), *Earth System Science in the Anthropocene*, Berlin/Heidelberg, 13-18.
- De Laet, Marianne/Mol, Annemarie (2000): “The Zimbabwe Bush Pump: Mechanics of a Fluid Technology”, in: *Social Studies of Science* 30 (2), 225-263.
- Derrida, Jacques (1995): *Of Grammatology*, Baltimore.
- Dessai, Suraje/Hulme, Mike (2007): “Assessing the Robustness of Adaptation Decisions to Climate Change Uncertainties: A Case Study on Water Resources Management in the East of England”, in: *Global Environmental Change* 17 (1), 59-72.
- Dodge, Martin et al. (2011): *Rethinking Maps: New Frontiers in Cartographic Theory*, 1st edition, London.
- Donges, Jonathan F. et al. (2017): “Closing the Loop: Reconnecting Human Dynamics to Earth System Science”, in: *The Anthropocene Review* 4 (2), 151-157.
- Downey, Allen (2012): *Think Python*, Sebastopol, Calif.
- Doyle, Julie (2009): “Seeing the Climate? The Problematic Status of Visual Evidence in Climate Change Campaigning”, in: Sidney Dobrin/Sean Morey (Eds.), *Ecosee: Image, Rhetoric, Nature*, New York, 279-298.
- Doyle, Julie (2011): *Mediating Climate Change*, Burlington, VT.
- Edwards, Paul N. (2001): “Representing the Global Atmosphere”, in: Clark A. Miller/Paul N. Edwards (Eds.), *Changing the Atmosphere. Expert Knowledge and Environmental Governance*, Cambridge, Mass.

- Edwards, Paul N. (2010): *A Vast Machine: Computer Models, Climate Data, and the Politics of Global Warming*, Cambridge, Mass.
- Engeström, Yrjö (1990): “When Is A Tool?”, in: *Learning, Working and Imagining, Twelve Studies in Activity Theory*, Helsinki.
- Falzon, Mark-Anthony (Ed.) (2016): *Multi-Sited Ethnography: Theory, Praxis and Locality in Contemporary Research*, London.
- Faraj, Samer et al. (2011): “Knowledge Collaboration in Online Communities.” *Organization Science* 22, 1224–1239. <https://doi.org/10.1287/orsc.1100.0614>
- Fecher, Benedikt/Friesike, Sascha (2014): “Open Science: One Term, Five Schools of Thought”, in: Sönke Bartling/Sascha Friesike (Eds.), *Opening Science*, Cham, 17-47.
- Fine, Gary Alan (1979): “Small Groups and Culture Creation: The Idioclature of Little League Baseball Teams”, in: *American Sociological Review* 44 (5), 733.
- Fine, Gary Alan (2002): *Shared Fantasy: Role-Playing Games as Social Worlds*, Reprint, Chicago, Ill.
- Fine, Gary Alan (2007): *Authors of the Storm: Meteorologists and the Culture of Prediction*, Chicago, Ill./Bristol.
- Fine, Gary Alan (2008): *Kitchens: The Culture of Restaurant Work* by Gary Alan Fine, Berkeley, Calif.
- Floridi, Luciano (2010): *Information: A Very Short Introduction*, 1st edition, Oxford/New York.
- Frické, Martin (2009): “The Knowledge Pyramid: A Critique of the DIKW Hierarchy”, in: *Journal of Information Science* 35 (2), 131-142.
- Füssel, Hans M. (2005): “Vulnerability in Climate Change Research: A Comprehensive Conceptual Framework”, UC Berkeley: University of California International and Area Studies, <https://escholarship.org/uc/item/8993z6nm>.
- Galle, A. (1926): “Zur Geschichte des Potsdamer Telegrafenberges”, in: *Das Weltall* 5, 65.
- Geiger, Tobias (2018): “Continuous National Gross Domestic Product (GDP) Time Series for 195 Countries: Past Observations (1850–2005)

- Harmonized with Future Projections According to the Shared Socio-Economic Pathways (2006–2100)”, in: *Earth System Science Data* 10 (2), 847-856.
- Geiger, Tobias et al. (2017): “Spatially-Explicit Gross Cell Product (GCP) Time Series: Past Observations (1850-2000) Harmonized with Future Projections According to the Shared Socioeconomic Pathways (2010-2100)”, GFZ Data Services, <https://doi.org/10.5880/pik.2017.007>.
- Gerstengarbe, Friedrich-Willhelm et al. (Eds.) (2013): *Zwei Grad mehr in Deutschland: Wie der Klimawandel unseren Alltag verändern wird*, Frankfurt a.M.
- GFZ, Helmholtz-Zentrum Potsdam – Deutsches GeoForschungsZentrum (2012): “Und der Pendelsaal – die Schatzkammer des T-Bergs ist fertig”, in: *GeoForschungsZeitung*, April 2012, http://gfzpublic.gfz-potsdam.de/pubman/item/escidoc:65071/component/escidoc:65070/GFzeitung_2012_04_10.pdf.
- GFZ, Helmholtz-Zentrum Potsdam – Deutsches GeoForschungsZentrum (2017): *Fokus: Erde: Focus: Earth*, Berlin.
- Gieryn, Thomas F. (1983): “Boundary-Work and the Demarcation of Science from Non-Science: Strains and Interests in Professional Ideologies of Scientists”, in: *American Sociological Review* 48 (6), 781.
- Gieryn, Thomas F. (2002): “What Buildings Do”, in: *Theory & Society* 31 (1), 35-74.
- Gieseke, Robert et al. (2018): “Pymagicc: A Python Wrapper for the Simple Climate Model MAGICC”, in: *The Journal of Open Source Software* 3 (22), 516.
- Giorgi, F. (2008): “WMO Bulletin”, *WMO Bulletin*, 2008, <https://public.wmo.int/en/resources/bulletin>, 04.09.2019.
- Girod, Bastien et al. (2009): “The Evolution of the IPCC’s Emissions Scenarios”, in: *Environmental Science & Policy* 12 (2) 103-118.
- Gitelman, Lisa (2013): *“Raw Data” Is an Oxymoron*, Cambridge, Mass.
- Gitelman, Lisa/Jackson, Virginia (2013): “Introduction”, in: *“Raw Data” Is an Oxymoron*, Cambridge, Mass., 1–14.

- Glaser, Barney/Strauss, Anselm (1999): *The Discovery of Grounded Theory: Strategies for Qualitative Research*, Chicago, Ill.
- Goldblatt Colin/Watson, Andrew J. (2012): "The Runaway Greenhouse: Implications for Future Climate Change, Geoengineering and Planetary Atmospheres", in: *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences* 370 (1974), 4197-4216.
- Goodwin, Charles (1994): "Professional Vision", in: *American Anthropologist*, 96 (3), 606-633.
- Gore, Al (1998): "The Digital Earth: Understanding Our Planet in the 21st Century", in: *Australian Surveyor* 43 (2), 89-91.
- Gramelsberger, Gabriele (2008a): *Computerexperimente: Zum Wandel der Wissenschaft im Zeitalter des Computers*, Bielefeld.
- Gramelsberger, Gabriele (2008b): "Das Epistemische Gewebe Simulierter Welten", in: Andrea Gleiniger et al. (Eds.), *Simulation: Praesentations-technik Und Erkenntnisinstrument*, Basel, 83–91.
- Gramelsberger, Gabriele/Feichter, Johann (Eds.) (2011): *Climate Change and Policy*, Berlin/Heidelberg.
- Gupta, Akhil/Ferguson, James (1997): "Discipline and Practice: 'The Field' As Site, Method, and Location in Anthropology", in: Akhil Gupta/James Ferguson (Eds.), *Anthropological Locations: Boundaries and Grounds of a Field Science*, Berkeley, Calif.
- Gurstein, Michael B. (2011): "Open Data: Empowering the Empowered or Effective Data Use for Everyone?", in: *First Monday* 16 (2). <https://firstmonday.org/article/view/3316/2764>
- Gurstein, Michael B. (2013): "Should 'Open Government Data' Be a Product or a Service (and Why Does It Matter?)", in: *Gurstein's Community Informatics*, 03.02.2013. <https://gurstein.wordpress.com/2013/02/03/is-open-government-data-a-product-or-a-service-and-why-does-it-matter/>, 02.04.2019.
- Hagedorn, G. et al. (2019): "The Concerns of the Young Protesters Are Justified. A Statement by Scientists for Future Concerning the Protests for More Climate Protection", in: *GAIA* 28 (2), 79-87.

- Haraway, Donna (1988): "Situated Knowledges: The Science Question in Feminism and the Privilege of Partial Perspective", in: *Feminist Studies* 14 (3), 575.
- Harley, J. Brian (1988): "Maps, Knowledge, and Power", in: Denis Cosgrove/Stephen Daniels (Eds.), *The Iconography of Landscape: Essays on the Symbolic Representation, Design and Use of Past Environments*, Avon, 277-312.
- Harper, Douglas (2002): "Talking about Pictures: A Case for Photo Elicitation", in: *Visual Studies* 17 (1), 13-26.
- Hastrup, Kirsten/Skrydstrup, Martin (2014): *The social life of climate change models: anticipating nature*. Routledge, New York; London.
- Heberger, Matthew et al. (2009): *The Impacts of Sea-Level Rise on the California Coast*, San Francisco, Calif.
- Heidegger, Martin (1954): "Die Frage nach der Technik ", in: *Vorträge und Aufsätze* 8, 13–55.
- Heimstädt, Maximilian (2014): "The Institutionalization of Digital Openness: How NGOs, Hackers and Civil Servants Organize Municipal Open Data Ecosystems", in: *Proceedings of The International Symposium on Open Collaboration*. Presented at the OpenSym '14: The International Symposium on Open Collaboration, ACM, Berlin Germany. <https://doi.org/10.1145/2641580.2641626>.
- Henderson, Kathryn (1991): "Flexible Sketches and Inflexible Data Bases: Visual Communication, Conscriptioin Devices, and Boundary Objects in Design Engineering", in: *Science, Technology & Human Values* 16 (4), 448-473.
- Herold, David K. et al. (2013): *Understanding Creative Users of ICTs: Users as Social Actors*. Routledge, New York; London.
- Herrmann, D. B. (1975): "Zur Vorgeschichte des Astrophysikalischen Observatorium Potsdam (1865 bis 1874)", in: *Astronomische Nachrichten* 296 (6), 245-259.
- Hewitson, Bruce et al. (2017): "Climate Information Websites: An Evolving Landscape: Climate Information Websites", in: *Wiley Interdisciplinary Reviews: Climate Change* 8 (5), e470.

- Heymann, Matthias et al. (2017): “Key Characteristics of Cultures of Prediction”, in: Matthias Heymann et al. (Eds.), *Cultures of Prediction in Atmospheric and Climate Science: Epistemic and Cultural Shifts in Computer-Based Modelling and Simulation*, 1st edition, London, 18-41.
- Heymann, Matthias/Hundebøl, Nils R. (2017): “From Heuristic to Predictive. Making Climate Models into Political Instruments”, in: Matthias Heymann et al. (Eds.), *Cultures of Prediction in Atmospheric and Climate Science: Epistemic and Cultural Shifts in Computer-Based Modelling and Simulation*, 1st edition, London, 100–119.
- Hirschauer, Stefan/Amann, Klaus (1997): *Die Befremdung der eigenen Kultur: zur ethnographischen Herausforderung soziologischer Empirie*, Frankfurt a.M.
- Hoffmann, Anne (2017): “25 Jahre Potsdam-Institut Für Klimafolgenforschung – Damals hat man das Institut fast für einen Scherz gehalten”, RBB24 Rundfunk Berlin-Brandenburg (Online), 10.11.2017, <https://www.rbb24.de/panorama/beitrag/2017/10/potsdam-klimafo>, 02.04.2019.
- Hughes, Thomas Parker (1983): *Networks of Power: Electrification in Western Society, 1880-1930*, Revised, Baltimore, Md.
- Hullmann, Angela (2008): *European Activities in the Field of Ethical, Legal and Social Aspects (ELSA) and Governance of Nanotechnology*, DG Research, Brussels.
- Hulme, Mike (2008): “Geographical Work at the Boundaries of Climate Change: Boundary Crossings”, in: *Transactions of the Institute of British Geographers* 33 (1), 5-11.
- Hulme, Mike (2009): *Why We Disagree about Climate Change: Understanding Controversy, Inaction and Opportunity*, 4th edition, Cambridge, UK/New York.
- Hulme, Mike (2011): “Reducing the Future to Climate: A Story of Climate Determinism and Reductionism”, in: *Osiris* 26 (1), 245-266.
- Hulme, Mike (2016): *Weathered: Cultures of Climate*, Thousand Oaks, Calif.

- Hulme, Mike/Mahony, Martin (2010): "Climate Change: What Do We Know about the IPCC?", in: *Progress in Physical Geography: Earth and Environment* 34 (5), 705-718.
- Hurtig, E. (Ed.) (1890): Die königlichen Observatorien für Astrophysik, Meterologie und Geodäsie bei Potsdam, herausgegeben von den beteiligten Directoren, Berlin.
- International Telecommunication Union (2018): United Nations Activities on Artificial Intelligence (AI), Geneva.
- IPCC: Intergovernmental Panel on Climate Change (2000): Emissions Scenarios. A Special Report of IPCC Working Group III. Summary for Policy Makers, Geneva.
- IPCC: Intergovernmental Panel on Climate Change (2013): 5th Assessment Report: The Physical Science Base (Summary for Policy Makers), Geneva.
- Jacob, Daniela et al. (2017): „Regionale Klimamodellierung“, in: *Klimawandel in Deutschland*. Springer Spektrum, Berlin, Heidelberg, pp. 27–35.
- Jasanoff, Sheila (2010): "A New Climate for Society", in: *Theory, Culture & Society* 27 (2-3), 233-253.
- Jasanoff, Sheila/Kim, Sang-Hyun (2015): *Dreamscapes of Modernity: Sociotechnical Imaginaries and the Fabrication of Power*, Chicago, Ill.
- Jensen, Michael C./Meckling, William H. (1976): "Theory of the Firm: Managerial Behavior, Agency Costs and Ownership Structure", in: *Journal of Financial Economics* 3 (2), 305-360.
- Kalthoff, Herbert (2010): "Beobachtung und Komplexität", in: *Sozialer Sinn: Zeitschrift für hermeneutische Sozialforschung* 11 (2).
- Karpatne, Anuj et al. (2017): "Machine Learning for the Geosciences: Challenges and Opportunities", in: *ArXiv:1711.04708 [Physics]*, November.
- Kasting, James F. et al. (1988): "How Climate Evolved on the Terrestrial Planets", in: *Scientific American* 258 (2), 90-97.
- Kautzleben, Heinz (1999): "Das Zentralinstitut für Physik der Erde und die in ihm aufgegangenen Institute der Deutschen Akademie der

- Wissenschaften zu Berlin im Zeitraum von 1950 bis 1973”, in: *Die Berliner Akademie von 1950 bis 1972. Sitzungsberichte der Leibniz-Sozietät*, 22.
- Kitchin, Rob (2014a): “Big Data, new epistemologies and paradigm shifts”, in: *Big Data & Society* 1, 1-12.
- Kitchin, Rob (2014b): *The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences*, Thousand Oaks, Calif.
- Kitchin, Rob et al. (2013): “Unfolding Mapping Practices: A New Epistemology for Cartography”, in: *Transactions of the Institute of British Geographers* 38 (3), 480-496.
- Kitchin, Rob/Lauriault, Tracey (2014): “Towards Critical Data Studies: Charting and Unpacking Data Assemblages and Their Work”, The Programmable City Working Paper 2; pre-print version of chapter to be published in: J. Eckert et al. (Eds.), *Geoweb and Big Data*, Lincoln, NE.
- Kluyver, Thomas et al. (2016): *Jupyter Notebooks – a publishing format for reproducible computational workflows*. <https://doi.org/10.3233/978-1-61499-649-1-87>
- Knorr-Cetina, Karin (2003): *Epistemic Cultures: How the Sciences Make Knowledge*, Cambridge, Mass./London.
- Knorr Cetina, Karin (2009): “The Synthetic Situation: Interactionism for a Global World”, in: *Symbolic Interaction* 32 (1), 61-87.
- Kouw, Matthijs (2010): “The Craft of Modeling, the Modeling of Craft”, Presentation at EASST 2010 Conference, www.homepages.ucl.ac.uk/~ucessj/b/EASST%202010/Kouw%20EASST%202010.pdf, 02.04.2019.
- Kratz, John/Strasser, Carly (2014): “Data publication consensus and controversies”, in: *F1000Research* 3, 94.
- Krauss, Werner/von Storch, Hans (2012): “Post-Normal Practices between Regional Climate Services and Local Knowledge”, in: *Nature and Culture* 7 (2).
- Krishnan, Armin (2009): “What Are Academic Disciplines? Some Observations on the Disciplinarity vs. Interdisciplinarity Debate”, in: *NCRM Working Paper Series* 9 (3).

- Kühnen, Friedrich/Furtwängler, Philip (1906): Bestimmung der absoluten Größe der Schwerkraft zu Potsdam: Mit Reversionspendeln, Berlin.
- Kvale, Steinar (2007): "Interview Variations", in: Steinar Kvale (Ed.), *Doing Interviews*, London.
- Lahsen, Myanna (2005): "Seductive Simulations? Uncertainty Distribution around Climate Models", in: *Social Studies of Science* 35 (6), 895-922.
- Lammes, Sybille et al. (Eds.) (2018): *Time for Mapping: Cartographic Temporalities*, 1st edition, Manchester.
- Latour, Bruno (1987): *Science in Action: How to Follow Scientists and Engineers through Society*, Cambridge, Mass.
- Latour, Bruno (1988): "Visualisation and Cognition: Drawing Things Together", in: *Knowledge and Society Studies in the Sociology of Culture Past and Present* 6, 1-40.
- Latour, Bruno (1999a): "Circulating Reference", in: *Pandora's Hope: Essays on the Reality of Science Studies*, 1st edition, Cambridge, Mass., 24-79.
- Latour, Bruno (1999b): *Pandora's Hope: Essays on the Reality of Science Studies*, 1st edition, Cambridge, Mass.
- Lave, Jean (1991): "Situating Learning in Communities of Practice", in: *Perspectives on Socially Shared Cognition* 2, 63-82.
- Law, John (2007): "Making a Mess with Method", in: William Outhwaite/Stephen P. Turner (Eds.), *The Sage Handbook of Social Science Methodology*, London, 595-606..
- Leonardi, Paul M. (2012): *Car Crashes without Cars: Lessons about Simulation Technology and Organizational Change from Automotive Design*, Cambridge, Mass.
- Leonelli, Sabina (2015): "What Counts as Scientific Data? A Relational Framework", in: *Philosophy of Science* 82 (5), 810-821.
- Luhmann, Niklas (2014): *Vertrauen: Ein Mechanismus der Reduktion sozialer Komplexität*, 5th edition, Konstanz.

- Lury, Celia/Wakeford, Nina (2014): "Introduction", in: Celia Lury/Nina Wakeford (Eds.), *Inventive Methods: The Happening of the Social*, Oxford, UK, 1-24.
- MacKenzie, Adrian (2006): *Cutting Code: Software and Sociality*, Bern.
- MacKenzie, Donald/Spinardi, Graham (1995): "Tacit Knowledge, Weapons Design, and the Uninvention of Nuclear Weapons", in: *American Journal of Sociology* 101 (1), 44-99.
- Mahoney, James (2000) "Path Dependence in Historical Sociology", in: *Theory and Society* 29 (4), 507-548.
- Mahony, Martin (2017): "The (Re)Emergence of Regional Climate: Mobile Models, Regional Visions and the Government of Climate Change", in: Matthias Heymann et al. (Eds.), *Cultures of Prediction in Atmospheric and Climate Science: Epistemic and Cultural Shifts in Computer-Based Modelling and Simulation*, 1st edition, London, 139-158.
- Mahony, Martin/Hulme, Mike (2012): "Model Migrations: Mobility and Boundary Crossings in Regional Climate Prediction", in: *Transactions of the Institute of British Geographers* 37 (2), 197-211.
- Mahony, Martin/Hulme, Mike (2014): "The Color of Risk: Expert Judgment and Diagrammatic Reasoning in the IPCC's 'Burning Embers'", in: Birgit Schneider/Thomas Nocke (Eds.), *Image Politics of Climate Change. Visualizations, Imaginations, Documentations*, Bielefeld, 105-124.
- Manzo, Kate (2010): "Beyond Polar Bears? Re-Envisioning Climate Change", in: *Meteorological Applications* 17 (2), 196-208.
- Marcus, George E. (1995): "Ethnography in/of the World System: The Emergence of Multi-Sited Ethnography", in: *Annual Review of Anthropology* 24 (1), 95-117.
- Marres, Noortje (2017): *Digital Sociology: The Reinvention of Social Research*, Malden, MA.
- Marres, Noortje/Gerlitz, Carolin (2015): "Interface Methods: Renegotiating Relations between Digital Social Research, STS and Sociology", in: *Sociological Review* 64 (1), 21-46.

- Marwick, Ben (2015): “Reproducibility: How Computers Broke Science – and What We Can Do to Fix It”, in: *The Conversation*. <https://theconversation.com/how-computers-broke-science-and-what-we-can-do-to-fix-it-49938>, 03.09.2019.
- McArthur, Victoria (2009): “Communication technologies and cultural identity a critical discussion of ICTs for development”, in: *2009 IEEE Toronto International Conference Science and Technology for Humanity (TIC-STH)*, Toronto, ON. <https://doi.org/10.1109/TIC-STH.2009.5444367>
- McCarthy, James J. et al. (2001): *Climate change 2001: Impacts, adaptation, and vulnerability: contribution of Working Group II to the third assessment report of the Intergovernmental Panel on Climate Change*. Cambridge University Press.
- Meinshausen, Malte et al. (2011): “Emulating Coupled Atmosphere-Ocean and Carbon Cycle Models with a Simpler Model, MAGICC6 – Part 1: Model Description and Calibration”, in: *Atmospheric Chemistry and Physics* 11 (4), 1417-1456.
- Michelson, Albert A. (1881): *The Relative Motion of the Earth and the Luminiferous Ether*, https://en.wikisource.org/wiki/The_Relative_Motion_of_the_Earth_and_the_Luminiferous_Ether, 02.04.2019.
- Mitchell, William J. T. (1987): *Iconology: Image, Text, Ideology*, 2nd edition, Chicago, Ill.
- Moser, Susanne C./Dilling, Lisa (2007): *Creating a Climate for Change: Communicating Climate Change and Facilitating Social Change*, Cambridge, UK/New York.
- Moss, Richard H. et al. (2010): “The Next Generation of Scenarios for Climate Change Research and Assessment”, in: *Nature* 463 (7282), 747-756.
- Müller, Marion G. (2011): “Iconography and Iconology as a Visual Method and Approach”, in: Luc Pauwels/Dawn Manny (Eds.), *The SAGE Handbook of Visual Research Methods*, Thousand Oaks, Calif. et al., 283-297.

- Neset, Tina-Simone et al. (2016): "Map-Based Web Tools Supporting Climate Change Adaptation", in: *The Professional Geographer* 68 (1), 103-114.
- Neverla, Irene (2012): *Das Medien-Klima. Fragen und Befunde der kommunikationswissenschaftlichen Klimaforschung*, Wiesbaden.
- Nicholson-Cole, Sophie A. (2005): "Representing Climate Change Futures: A Critique on the Use of Images for Visual Communication", in: *Computers, Environment and Urban Systems* 29 (3), 255-273.
- National Oceanic and Atmospheric Administration (NOAA) Coastal Services Center (2012): "Lidar 101: An Introduction to Lidar Technology, Data, and Applications." Revised. Charleston, SC.
- Norris, Pippa (2001): *Digital Divide: Civic Engagement, Information Poverty, and the Internet Worldwide*, Cambridge UK.
- Odendahl, Teresa/Shaw, Aileen M. (2001): "Interviewing Elites", in: Jaber F. Gubrium/James A. Holstein (Eds.), *Handbook of Interview Research*, Thousand Oaks, Calif., 299-316.
- O'Neil, Cathy/Schutt, Rachel (2013) *Doing Data Science: Straight Talk from the Frontline*, 1st edition, Beijing/Sebastopol.
- Orlowski, Boris (2007): *STARS*, Dissertation, University of Hamburg.
- Oudshoorn, Nelly/Pinch, Trevor (2005): *How Users Matter: The Co-Construction of Users and Technology*, Cambridge, Mass.
- Panofsky, Erwin (1972): *Studies in Iconology. Humanistic Themes in the Art of the Renaissance*, Boulder, CO.
- Perkins, Chris (2014): "Plotting practices and politics: (im)mutable narratives in OpenStreetMap", *Transactions of the Institute of British Geographers* 39, 304-317. <https://doi.org/10.1111/tran.12022>
- Pias, Claus (2008): "Klimasimulation", in: Petra Lutz/Thomas Macho (Eds.), *2°: das Wetter, der Mensch und sein Klima*, Göttingen, 108-119.
- Pickering, Andrew (2002): "Cybernetics and the Mangle: Ashby, Beer and Pask", in: *Social Studies of Science* 32 (3), 413-437.
- Pierce, Roger (2008): "Asking Questions: Effective Elite Interviews, Other Interviews, Vignettes, Projective Questions, and Focus Groups," in: *Research Methods in Politics*, London.

- PIK (2012): “Impacts of Climate Change. Internet Portal Climate Impacts Online”, brochure, Potsdam.
- Rammert, Werner (2007): “Technografie trifft Theorie. Forschungsperspektiven einer Soziologie der Technik”, in: *TUTS – Working Papers* 1-2007, 37.
- Rammert, Werner/Schubert, Cornelius (2006): *Technografie: zur Mikrosoziologie der Technik*, Frankfurt a.M.
- Reicheneder, Karl (1959): “Reference-Value of Gravity at Potsdam”, in: *Bulletin Géodésique (1946-1975)* 51 (1), 80-81.
- Rheinberger, Hans-Jörg (1997): *Toward a History of Epistemic Things: Synthesizing Proteins in the Test Tube*, 1st edition, Stanford, Calif.
- Rheinberger, Hans-Jörg (2011): “Infra-Experimentality: From Traces to Data, from Data to Patterning Facts”, in: *History of Science* 49 (3), 337-348.
- Ribes, David (2018): “STS, Meet Data Science, Once Again”, in: *Science, Technology, & Human Values* September, 016224391879889.
- Rieder, Bernhard (2015): *YouTube Data Tools* (Version 1.22) [Software]. <https://tools.digitalmethods.net/netvizz/youtube/>.
- Rockström, Johan et al. (2009): “A Safe Operating Space for Humanity”, in: *Nature* 461 (7263), 472-475.
- Rogers, Richard (2013): *Digital Methods*, Cambridge, Mass.
- Rogers, Richard (2015): “Digital Methods for Web Research”, in: Robert A Scott/Stephen M. Kosslyn (Eds.), *Emerging Trends in the Social and Behavioral Sciences: An Interdisciplinary, Searchable, and Linkable Resource*, New Jersey et al., 1-22.
- Rose, Gillian (1997): “Situating knowledges: positionality, reflexivities and other tactics”, in: *Progress in human geography* 21, 305–320.
- Rose, Gillian (2001): *Visual Methodologies an Introduction to the Interpretation of Visual Materials*, London/Thousand Oaks, Calif.
- Rottenburg, Richard (2009): *Far-Fetched Facts: A Parable of Development Aid*, Inside Technology, Cambridge, Mass.
- Rowley, Jennifer (2007): “The Wisdom Hierarchy: Representations of the DIKW Hierarchy”, in: *Journal of Information Science* 33 (2), 163-180.

- Sayer, Andrew (2000): For postdisciplinary studies: Sociology and the curse of disciplinary parochialism/imperialism. For sociology: legacies and prospects 83–92.
- Schäfer, Mike S. et al. (2015): *Wissenschaftskommunikation im Wandel*, Cologne.
- Schellnhuber, Hans Joachim (1998): “Part 1. Earth System Analysis – The Concept”, in: Hans-Joachim Schellnhuber/Volker Wenzel (Eds.), *Earth System Analysis: Integrating Science for Sustainability*, Berlin/Heidelberg.
- Schellnhuber, Hans-Joachim/Wenzel, Volker (1998): *Earth System Analysis: Integrating Science for Sustainability*, Berlin/Heidelberg.
- Schellnhuber, Hans-Joachim/Kropp, Jürgen P. (1998): “Geocybernetics: Controlling a Complex Dynamical System Under Uncertainty”, in: *Naturwissenschaften* 85 (9), 411-425.
- Schneider, Birgit (2012): “Climate Model Simulation Visualization from a Visual Studies Perspective”, in: *Wiley Interdisciplinary Reviews: Climate Change* 3 (2), 185-193.
- Schneider, Birgit (2017): “The Future Face of the Earth: The Visual Semantics of the Future in the Climate Change Imagery of the IPCC”, in: Matthias Heymann et al. (Eds.), *Cultures of Prediction in Atmospheric and Climate Science: Epistemic and Cultural Shifts in Computer-Based Modelling and Simulation*, 1st edition, Abingdon/New York.
- Schneider, Birgit/Nocke, Thomas (2014): *Image Politics of Climate Change Visualizations, Imaginations, Documentations*, Bielefeld.
- Schubert, Cornelius (2015): “Situating Technological and Societal Futures. Pragmatist Engagements with Computer Simulations and Social Dynamics”, in: *Technology in Society* 40 (February), 4-13.
- Selwyn, Neil (2012): *Education in a Digital World: Global Perspectives on Technology and Education*. Routledge.
- Sengupta, I. N. (2009): “Bibliometrics, Informetrics, Scientometrics and Librametrics: An Overview”, in: *Libri* 42 (2), 75-98.
- Serway, Raymond A. (1996): *Physics for Scientists & Engineers*. Philadelphia.

- Shackley, Simon/Skodvin, Tora (1995): "IPCC Gazing and the Interpretative Social Sciences", in: *Global Environmental Change* 5 (3), 175-180.
- Sheppard, Stephen R. J. (2012): *Visualizing Climate Change: A Guide to Visual Communication of Climate Change and Developing Local Solutions*, Abingdon/New York.
- Sismondo, Sergio (1999): "Models, Simulations, and Their Objects", in: *Science in Context* 12 (2), 247-260.
- Spieker, Paul Emanuel (1894): "Die Königlichen Observatorien für Astrophysik, Meteorologie und Geodäsie bei Potsdam", in: *Zeitschrift für Bauwesen* 1-3 (46), 1-16.
- Star, Susan Leigh (1999): "The Ethnography of Infrastructure", in: *American Behavioral Scientist* 43 (3), 377-391.
- Star, Susan Leigh/Bowker, Geoffrey C. (2006): "How to Infrastructure", in: Leah A. Lievrouw/Sonia Livingstone (Eds.), *Handbook of New Media: Social Shaping and Social Consequences of ICTs*, Newbury Park, Calif, 230-245.
- Star, Susan Leigh/Griesemer, James R. (1989) "Institutional Ecology, 'Translations' and Boundary Objects: Amateurs and Professionals in Berkeley's Museum of Vertebrate Zoology, 1907-39", in: *Social Studies of Science* 19 (3), 387-420.
- Star, Susan Leigh/Ruhleder, Karen (1996): "Steps Toward an Ecology of Infrastructure: Design and Access for Large Information Spaces", in: *Information Systems Research* 7 (1), 111-134.
- Steffen, Will et al. (2011): "The Anthropocene: Conceptual and Historical Perspectives", in: *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences* 369 (1938), 842-867.
- Storch, Hans von/Krauß, Werner (2013): *Die Klimafalle: Die gefährliche Nähe von Politik und Klimaforschung*, München.
- Strauss, Anselm (1978): "A Social World Perspective", in: *Studies in Symbolic Interaction* 1, 119-128.

- Strauss, Benjamin H. et al. (2015): "Carbon Choices Determine US Cities Committed to Futures below Sea Level", in: *Proceedings of the National Academy of Sciences* 112 (44), 13508-13513.
- Sturgis, Patrick/Allum, Nick (2004): "Science in Society: Re-Evaluating the Deficit Model of Public Attitudes", in: *Public Understanding of Science* 13 (1), 55-74.
- Suchman, Lucy A. (1988): "Representing Practice in Cognitive Science", in: *Human Studies* 11 (2), 305-325.
- Sundberg, Mikaela (2007): "Parameterizations as Boundary Objects on the Climate Arena", in: *Social Studies of Science* 37 (3), 473-488.
- Sundberg, Mikaela (2008): "The Everyday World of Simulation Modeling: The Development of Parameterizations in Meteorology", in: *Science, Technology & Human Values* 34 (2), 162-181.
- Suneetha, K. R./Krishnamoorthi, R. (2009) "Identifying User Behavior by Analyzing Web Server Access Log File", in: *Computer Science* 7.
- Sutherland, Thomas (2018): "Mapping the Space of Flows", in: Sybille Lammes et al. (Eds.), *Time for Mapping: Cartographic Temporalities*, 1st edition, Manchester, UK, 175-196.
- Thielmann, Tristan et al. (2012): "Dwelling in the Web: Towards a Goog- lization of Space", in: *HIIG Discussion Paper Series* 2012-03.
- Thomas, William Isaac/Thomas, Dorothy Swaine (1928): *The Child in America; Behavior Problems and Programs*, New York.
- Thrift, Nigel (2006) "Re-Inventing Invention: New Tendencies in Capital- ists Commodification", in: *Economy and Society* 35 (2), 279-306.
- Turkle, Sherry (2009): *Simulation and Its Discontents*, Cambridge, Mass.
- Turkle, Sherry (2011): *Evocative Objects: Things We Think With*, Reprint edition, Cambridge, Mass./London.
- United Nations (1992): *United Nations Framework Convention on Climate Change*, New York. <https://unfccc.int/process-and-meetings/the-convention/what-is-the-united-nations-framework-convention-on-climate-change>
- van Vuuren, D.P., Kriegler, E., O'Neill, B.C., Ebi, K.L., Riahi, K., Carter, T.R., Edmonds, J., Hallegatte, S., Kram, T., Mathur, R., Winkler, H.

- (2014): “A new scenario framework for Climate Change Research: scenario matrix architecture”, *Climatic Change* 122, 373–386. <https://doi.org/10.1007/s10584-013-0906-1>
- van Vuuren, D.P., Edmonds, J., Kainuma, M., Riahi, K., Thomson, A., Hibbard, K., Hurtt, G.C., Kram, T., Krey, V., Lamarque, J.-F., Masui, T., Meinshausen, M., Nakicenovic, N., Smith, S.J., Rose, S.K. (2011): “The representative concentration pathways: an overview”, in: *Climatic Change* 109, 5–31. <https://doi.org/10.1007/s10584-011-0148-z>
- VanderPlas, Jake (2016): *A Whirlwind Tour of Python*. <https://jakevdp.github.io/WhirlwindTourOfPython/>, 03.04.2019.
- Vaughan, Catherine/Dessai, Suraje (2014): “Climate Services for Society: Origins, Institutional Arrangements, and Design Elements for an Evaluation Framework: Climate Services for Society”, in: *Wiley Interdisciplinary Reviews: Climate Change* 5 (5), 587-603. <https://doi.org/10.1002/wcc.290>.
- Verein Lange Nacht der Wissenschaften e. V. (2017): “Lange Nacht Der Wissenschaften 2017”, brochure, Berlin. https://www.langenacht-derwissenschaften.de/fileadmin/media/Programm-Archiv/LNDW_Programmuebersicht_2017.pdf
- Vertesi, Janet (2014): “Seamful Spaces: Heterogeneous Infrastructures in Interaction”, in: *Science, Technology, & Human Values* 39 (2), 264-284.
- Von Hippel, Eric/von Krogh, Georg (2003): “Open Source Software and the ‘Private-Collective’ Innovation Model: Issues for Organization Science”, in: *Organization Science* 14 (2), 208-223.
- Walsh, Lynda (2014): “‘Tricks,’ Hockey Sticks, and the Myth of Natural Inscription: How the Visual Rhetoric of Climategate Conflated Climate with Character”, in: Birgit Schneider/Thomas Nocke (Eds.), *Image Politics of Climate Change Visualizations, Imaginations, Documentations*, Bielefeld, 81–104.
- Wechsung, Frank/Schellnhuber, Hans J. (2018): “Wenn Klimaprojektionen heimkehren: Ungewöhnliche Einsichten für deutsche Flüsse aus

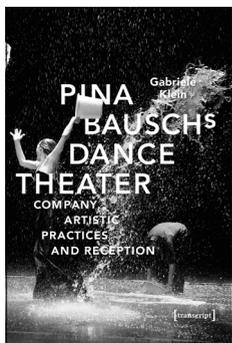
- einer Klimawirkungsstudie für Pekings Guanting-Region”, in: *Potsdam Institute Kurze Mitteilung*, Potsdam.
- Wechsung, Frank, et al. (2011): *Elbe-Atlas des globalen Wandels*. Schweizerbart’sche, E., Stuttgart.
- Wechsung, Frank et al. (2014): *Die Elbe im globalen Wandel: Eine integrative Betrachtung*, Berlin.
- Wechsung, Frank/Wechsung, Maximilian (2015): “Dryer Years and Brighter Sky – the Predictable Simulation Outcomes for Germany’s Warmer Climate from the Weather Resampling Model STARS”, in: *International Journal of Climatology* 35 (12), 3691-3700.
- Wechsung, Frank/Wechsung, Maximilian (2016): “A Methodological Critique on Using Temperature-Conditioned Resampling for Climate Projections as in the Paper of Gerstengarbe et al. (2013) Winter Storm and Summer Thunderstorm-Related Loss Events in Theoretical and Applied Climatology (TAC)”, in: *Theoretical and Applied Climatology* 126 (3-4), 611-615.
- Weinberger, David (2014): *Too Big to Know: Rethinking Knowledge Now That the Facts Aren’t the Facts, Experts Are Everywhere, and the Smartest Person in the Room Is the Room*, First Trade Paper, New York.
- Wilderotter, Hans (2005): “Einleitung”, in: Hans Wilderotter et al. (Eds.), *Ein Turm für Albert Einstein: Potsdam, das Licht und die Erforschung des Himmels*, 1st edition, Hamburg.
- Wilderotter, Hans et al. (2005): *Ein Turm für Albert Einstein: Potsdam, das Licht und die Erforschung des Himmels*, Hamburg.
- Wilkinson, Mark D. et al. (2016): “The FAIR Guiding Principles for Scientific Data Management and Stewardship”, in: *Scientific Data* 3 (March), 160018.
- Winsberg, Eric B. (2010): *Science in the Age of Computer Simulation*, Chicago.
- Wood, Denis/Fels, John (2008): “The Natures of Maps: Cartographic Constructions of the Natural World”, in: *Cartographica: The International*

Journal for Geographic Information and Geovisualization 43 (3), 189-202. <https://doi.org/10.3138/carto.43.3.189>.

Wyatt, Sally (2005): “Non-Users Also Matter: The Construction of Users and Non-Users of the Internet”, in: Nelly Oudshoorn/Trevor Pinch (Eds.), *How Users Matter: The Co-Construction of Users and Technology*, Cambridge, Mass., 67-79.

Yearley, Steven (2009): “Sociology and Climate Change after Kyoto: What Roles for Social Science in Understanding Climate Change?”, in: *Current Sociology* 57 (3), 389-40

Cultural Studies



Gabriele Klein

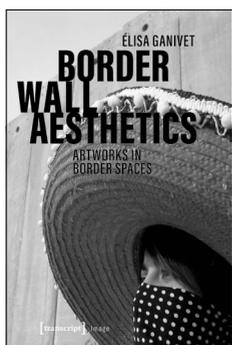
Pina Bausch's Dance Theater Company, Artistic Practices and Reception

2020, 440 p., pb., col. ill.

29,99 € (DE), 978-3-8376-5055-6

E-Book:

PDF: 29,99 € (DE), ISBN 978-3-8394-5055-0



Elisa Ganivet

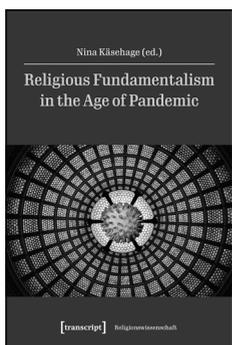
Border Wall Aesthetics Artworks in Border Spaces

2019, 250 p., hardcover, ill.

79,99 € (DE), 978-3-8376-4777-8

E-Book:

PDF: 79,99 € (DE), ISBN 978-3-8394-4777-2



Nina Käsehage (ed.)

Religious Fundamentalism in the Age of Pandemic

Nina Käsehage (ed.)

Religious Fundamentalism in the Age of Pandemic

April 2021, 278 p., pb., col. ill.

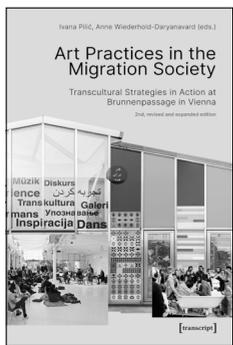
37,00 € (DE), 978-3-8376-5485-1

E-Book: available as free open access publication

PDF: ISBN 978-3-8394-5485-5

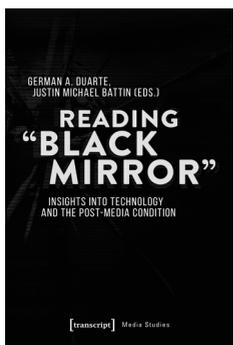
**All print, e-book and open access versions of the titles in our list
are available in our online shop www.transcript-publishing.com**

Cultural Studies



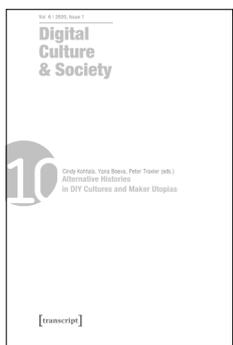
Ivana Pilic, Anne Wiederhold-Daryanavard (eds.)
Art Practices in the Migration Society
Transcultural Strategies in Action
at Brunnenpassage in Vienna

March 2021, 244 p., pb.
29,00 € (DE), 978-3-8376-5620-6
E-Book:
PDF: 25,99 € (DE), ISBN 978-3-8394-5620-0



German A. Duarte, Justin Michael Battin (eds.)
Reading »Black Mirror«
Insights into Technology and the Post-Media Condition

January 2021, 334 p., pb.
32,00 € (DE), 978-3-8376-5232-1
E-Book:
PDF: 31,99 € (DE), ISBN 978-3-8394-5232-5



Cindy Kohtala, Yana Boeva, Peter Troxler (eds.)
Digital Culture & Society (DCS)
Vol. 6, Issue 1/2020 –
Alternative Histories in DIY Cultures and Maker Utopias

February 2021, 214 p., pb., ill.
29,99 € (DE), 978-3-8376-4955-0
E-Book:
PDF: 29,99 € (DE), ISBN 978-3-8394-4955-4

**All print, e-book and open access versions of the titles in our list
are available in our online shop www.transcript-publishing.com**