

References

- Aderemi, A. and Agaigbe, F. (2018) 'Challenges of Economic Development in Africa: The Dichotomy of a Debate and the Africanist View', in Oloruntoba, S.O. and Falola, T. (eds.) *The Palgrave Handbook of African Politics, Governance and Development*. New York: Palgrave Macmillan, pp. 589–605.
- Adler, P.S. (1990) 'Marx, Machines, and Skill', *Technology and Culture*, 31(4), pp. 780–812.
- Africa Capital Digest (2015) Is a Silicon Valley in East Africa a Pipedream. Available at: <https://africacapitaldigest.com/is-a-silicon-valley-in-east-africa-a-pipedream> [Accessed November 12, 2015].
- Ahmed, S. (2004a) 'Collective Feelings: Or, The Impressions Left by Others', *Theory, Culture and Society*, 21(2), pp. 25–42.
- Ahmed, S. (2004b) 'Affective Economies', *Social Text*, 22(2), pp. 117–139.
- Ahmed, S. (2010) *The Promise of Happiness*. Durham: Duke University Press.
- Ahmed, S. (2014) *The Cultural Politics of Emotion* (second edition). Edinburgh: Edinburgh University Press.
- Aker, J.C. and Mbiti, I.M. (2010) 'Mobile Phones and Economic Development in Africa', *Journal of Economic Perspectives*, 24(3), pp. 207–232.
- Alexander, J.K. (2009) 'The Concept of Efficiency: An Historical Analysis', in Meijers, A. (ed.) *Philosophy of Technology and Engineering Sciences*. North Holland: Elsevier, pp. 1007–1030.
- Alushula, P. (2019) M-Pesa users outside Kenya hit 13.4 million. Available at: <http://www.businessdailyafrica.com/corporate/companies/M-Pesa-users-outside-Kenya-hit-13-4-million/4003102-4956208-16s8a9/index.html> [Accessed May 12, 2020].
- Amaizo, Y.E. (2012) 'An Alternative African Developmentalism: A Critique of Zero-sum Games and Palliative Economics', *Africa Development*, 37(4), pp. 117–140.

- Ames, M.G. (2015) 'Charismatic Technology', *Proceedings of the Fifth Decennial Aarhus Conference on Critical Alternatives*. Aarhus University Press, pp. 109–120.
- Ames, M.G., Lindtner, S., Bardzell, S., Bardzell, J., Nguyen, L., Ishtiaque Ahmed, S., Jahan, N., Jackson, S.J. and Dourish, P. (2018) 'Making or Making Do? Challenging the Mythologies of Making and Hacking', *Journal of Peer Production*, 12, pp. 1–21.
- Ames, M.G., Rosner, D.K. and Erickson, I. (2015) 'Worship, Faith, and Evangelism: Religion as an Ideological Lens for Engineering Worlds', *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing*. ACM, pp. 69–81.
- Anderson, B. (2017) 'Affect', in Richardson, D., Castree, N., Goodchild, M.F., Kobayashi, A., Liu, W. and Marston, R.A. (eds.) *The International Encyclopedia of Geography*. John Wiley & Sons, pp. 1–3.
- Anderson, D.M. (2008) 'Editorial', *Journal of Eastern African Studies*, 2(2), p. 165.
- Anderson, W. (2002) 'Introduction: Postcolonial Technoscience', *Social Studies of Science*, 32(5–6), pp. 643–658.
- Anderson, W. (2009) 'From Subjugated Knowledge to Conjugated Subjects: Science and Globalisation, or Postcolonial Studies of Science?', *Postcolonial Studies*, 12(4), pp. 389–400.
- Anwar, M.A. and Graham, M. (2021) 'Between a Rock and a Hard Place: Freedom, Flexibility, Precarity and Vulnerability in the Gig Economy in Africa', *Competition & Change*, 25(2), pp. 237–258.
- Appiah, K.A. (2006) *The Case for Contamination*. Available at: <http://www.nytimes.com/2006/01/01/magazine/01cosmopolitan.html?e...eb5e1741c&ex=1293771600&partner=rssnyt&emc=rss&pagewanted=print> [Accessed June 26, 2021].
- Armano, E. and Murgia, A. (2013) 'The Precariousness of Young Knowledge Workers: A Subject-oriented Approach', *Global Discourse*, 3(3–4), pp. 486–501.
- Aroles, J., Mitev, N. and de Vaujany, F-X (2019) 'Mapping Themes in the Study of New Work Practices', *New Technology, Work and Employment*, 34(3), pp. 285–299.
- Arora, S. and Romijn, H. (2011) 'The Empty Rhetoric of Poverty Reduction at the Base of the Pyramid', *Organization*, 19(4), pp. 481–505.

- Avle, S. (2020) 'Making as Imaginative Crossroads: Ghanaian Makers and the Geopolitics of Technological Progress', *Proceedings of the Association for Information Science and Technology*, 57(1), e298.
- Avle, S. and Lindtner, S. (2016) 'Design(ing) 'Here' and 'There': Tech Entrepreneurs, Global Markets, and Reflexivity in Design Processes', *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*. ACM, pp. 2233–2245.
- Avle, S., Hui, J., Lindtner, S. and Dillahaunt, T. (2019) 'Additional Labors of the Entrepreneurial Self', *Proceedings of the ACM on Human-Computer Interaction*, 3(CSCW), pp. 1–24.
- Avle, S., Lindtner, S. and Williams, K. (2017) 'How Methods Make Designers', *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*, pp. 472–483.
- Barbrook, R. and Schultz, P. (1997) *The Digital Artisans Manifesto*. Available at: <http://www.imaginaryfutures.net/2007/04/16/the-digital-artisans-manifesto-by-richard-barbrook-and-pit-schultz> [Accessed June 25, 2012].
- Bardzell, S., Rosner, D.K. and Bardzell, J. (2012) 'Crafting quality in design: integrity, creativity, and public sensibility', *Proceedings of the Designing Interactive Systems Conference*. ACM, pp. 11–20.
- Barnes, B. (2005) 'Elusive Memories of Technoscience', *Perspectives on Science*, 13(2), pp. 142–165.
- Basulto, D. (2012) *The New #Fail: Fail Fast, Fail Early and Fail Often*. Available at: http://www.washingtonpost.com/blogs/innovations/post/the-new-fail-fail-fast-fail-early-and-fail-often/2012/05/30/gJQAKA891U_blog.html?noredirect=on&utm_term=.37565a1dd9a5 [Accessed May 4, 2019].
- BBC (2016) *Kenyan App Ushahidi Monitoring US Elections*. Available at: <http://www.bbc.com/news/world-africa-37910068> [Accessed June 2, 2021].
- Bean, J. and Rosner, D. (2012) 'Old Hat: Craft Versus Design?', *Interactions*, 19(1), pp. 86–88.
- Bejarano, J.P.P. (2021) 'Ruins Across the Atlantic: Speculations on the Colonial and Mythological Genealogies of the Internet's Submarine Infrastructure', *Proceedings of Politics of the Machines – Rogue Research 2021*, pp. 138–144. Available at: <http://www.scienceopen.com/hosted-document?doi=10.14236/ewic/POM2021.18> [Accessed March 17, 2023].
- Benton, C., Mullins, L. Shelley, K. and Dempsey, T. (2013) *Makerspaces – Supporting an Entrepreneurial System*. Co-Learning Plan Series of MSU EDA University Center for Regional Economic Innovation (REI).

- Beresford, A. (2016) 'Africa Rising?', *Review of African Political Economy*, 43(147), pp. 1–7.
- Berndt, C. and Boeckler, M. (2011) 'Geographies of Markets: Materials, Morals and Monsters in Motion', *Progress in Human Geography*, 35(4), pp. 559–567.
- Birch, K. (2017) 'Techno-economic Assumptions', *Science as Culture*, 26(4), pp. 433–444.
- Birgen, S. (2017) 05 April. Available at: <https://twitter.com/SheilahBirgen/status/849657773617008640> [Accessed April 5, 2017].
- Birkelo, P. (2017) Building Makerspaces for the 4th Industrial Revolution. Available at: <https://medium.com/@cpbirkelo/building-makerspaces-for-the-4th-industrial-revolution-be51e5d76e22> [Accessed February 14, 2019].
- Biwu, S. and Prince, G. (2018) 'Core Concepts and Basic Theories of Narrative: A Conversation with Gerald Prince', *Interdisciplinary Studies of Literature 文学跨学科研究*, 2(1), pp. 13–25.
- Blake, M.K and Hanson, S. (2005) 'Rethinking Innovation: Context and Gender', *Environment and Planning A*, 37, pp. 681–701.
- Blaut, J.M. (1976) 'Where was capitalism born?', *Antipode*, 8(2), pp. 1–11.
- Blikstein, P. (2013) 'Digital Fabrication and 'Making' in Education: The Democratization of Invention', in Walter-Herrmann, J. and Büching, C. (eds.) *FabLab: Of Machines, Makers and Inventors*. Bielefeld: Transcript Verlag, pp. 203–222.
- Boeva, Y. (2018) 'Break, Make, Retake: Interrogating the Social and Historical Dimensions of Making as a Design Practice', PhD thesis, York University, York.
- Bouncken, R.B. and Reuschl, A.J. (2018) 'Coworking-Spaces: How a Phenomenon of the Sharing Economy Builds a Novel Trend for the Workplace and for Entrepreneurship', *Review of Managerial Science*, 12, pp. 317–334.
- Boyce, M.E. (1996) 'Organizational Story and Storytelling: A Critical Review', *Journal of Organizational Change Management*, 9(5), pp. 5–26.
- Branham, B. (2017) Design Thinking Mantras That Make Success. Available at: <http://www.linkedin.com/pulse/design-thinking-mantras-make-success-ben-branham> [Accessed May 5, 2019].
- Braverman, H. (1974) *Labor and Monopoly Capital: The Degradation of Work in the Twentieth Century*. New York: Monthly Review.
- Braybrooke, K. and Jordan, T. (2017) 'Genealogy, Culture and Technomyth: Decolonizing Western Information Technologies, from Open Source to the Maker Movement', *Digital Culture & Society*, 3(1), pp. 25–46.

- BRCK (2016) BRCK Home. Available at: <https://brck.com/index.html> [Accessed: 7 October, 2016].
- Breckenridge, K. (2021) 'What Happened to the Theory of African Capitalism?', *Economy and Society*, 50(1), pp. 9–35.
- Bristow, T. (2017) 'Post African Futures: Positioning the Globalized Digital within Contemporary African Cultural and Decolonizing Practices', *Critical African Studies*, 9(3), pp. 281–301.
- Brophy, E. (2006) 'System Error: Labour Precarity and Collective Organizing at Microsoft', *Canadian Journal of Communication*, 31, pp. 619–638.
- Brown, N. (2003) 'Hope Against Hype – Accountability in Biopasts, Presents and Futures', *Science Studies*, 16(2), pp. 3–21.
- Brown, N., Rip, A. and Van Lente, H. (2003) Expectations In & About Science and Technology. Available at: <http://www.york.ac.uk/satsu/expectations/Utrecht%202003/Background%20paper%20version%2014May03.pdf> [Accessed November 14, 2019].
- Bublitz, H. (2003) Diskurs. Bielefeld: transcript.
- Buechley, L. and Perner-Wilson, H. (2012) 'Crafting Technologies: Reimagining the Processes, Materials, and Cultures of Electronics', *ACM Transactions on Computer-Human Interaction*, 19(3), Article 21.
- Buser, M. and Boyer, K. (2021) 'Care goes Underground: Thinking Through Relations of Care in the Maintenance and Repair of Urban Water Infrastructures', *Cultural Geographies*, 28(1), pp. 73–90.
- Butler, J. (1990) *Gender Trouble: Feminism and the Subversion of Identity*. New York: Routledge.
- Butler, J. (1995) 'For a Careful Reading', in Benhabib, S., Butler, J., Cornell, D. and Fraser, N. (eds.) *Feminist Contentions: A Philosophical Exchange*. New York and London: Routledge, pp. 127–144.
- Butler, J. (2010) 'Performative Agency', *Journal of Cultural Economy*, 3(2), pp. 147–161.
- Butoliya, D. (2018) 'Critical Jugaad: A (Post) Critical Investigation into Marginal Making Practices from Beyond the Anglo-European Sphere', *Making Futures*, 5, pp. 1–16.
- Cadman, L. (2009) 'Nonrepresentational Theory/Nonrepresentational Geographies', in Kitchen, R. and Thrift, N. (eds.) *International Encyclopedia of Human Geography*. Oxford: Elsevier, pp. 456–463.
- Cairns, K. (2013) 'The Subject of Neoliberal Affects: Rural Youth Envision their Futures', *The Canadian Geographer/Le Géographe canadien*, 57(3), pp. 337–344.

- Cameron, E. (2012) 'New Geographies of Story and Storytelling', *Progress in Human Geography*, 36(5), pp. 573–592.
- Carr, C. and Gibson, C. (2016) 'Geographies of Making: Rethinking Materials and Skills for Volatile Futures', *Progress in Human Geography*, 40(3), pp. 297–315.
- Carr, C. and Gibson, C. (2017) 'Animating Geographies of Making: Embodied Slow Scholarship for Participant-researchers of Maker Cultures and Material Work', *Geography Compass*, 11, e12317.
- Castells, M., Fernández-Ardèvol, M., Qiu, J.L. and Sey, A. (2007) *Mobile Communication and Society: A Global Perspective*. Cambridge: MIT Press.
- Cessou, S. (2018) 'Das digitale Glück der Kenianer', *Le Monde diplomatique*. 13 December, p. 14.
- Chan, A.S. (2013) *Networking Peripheries: Technological Futures and the Myth of Digital Universalism*. Cambridge and London: MIT Press.
- Chanda, C. (2016) *Mentoring and Defending the African Entrepreneur*. Lusaka: Africa Institute for Culture and Economic Literacy.
- Cherlet, J. (2014) 'Epistemic and Technological Determinism in Development Aid', *Science, Technology, & Human Values*, 39(6), pp. 773–794.
- Chouliaraki, L. (2010) 'Post-humanitarianism: Humanitarian Communication Beyond a Politics of Pity', *International Journal of Cultural Studies*, 13(2), pp. 107–126.
- Christensen, J. (2012) 'Telling Stories: Exploring Research Storytelling as a Meaningful Approach to Knowledge Mobilization with Indigenous Research Collaborators and Diverse Audiences in Community-based Participatory Research', *The Canadian Geographer/Le Géographe Canadien*, 56(2), pp. 231–242.
- Coban, A. (2018) 'Making Hardware in Nairobi: Between Revolutionary Practices and Restricting Imaginations', *Journal of Peer Production*, 12, pp. 60–76.
- Coban, A. and Wenten, K-A. (2021) 'Who Cares for Agile Work? In/Visibilized Work Practices and Their Emancipatory Potential', *Nanoethics*, 15, pp. 57–70.
- Cockayne, D.G. (2016) 'Entrepreneurial Affect: Attachment to Work Practice in San Francisco's Digital Media Sector', *Environment and Planning D*, 34(3), pp. 456–473.
- Cofie, E. (2016) *Is an African Silicon Valley a Pipe Dream Today?* Available at: <http://blog.ethelcofie.com/2016/11/14/is-the-african-silicon-valley-a-pipe-dream-today> [Accessed September 2, 2019].

- Cofie, E. (2019) Why is it Important that African Startups Build for Africa First (Part 1). Available at: <http://blog.ethelcofie.com/2019/07/18/why-is-it-important-that-african-startups-build-for-africa-first-part-1/#.XuUXRedCS70> [Accessed June 13, 2020].
- Cofie, E. (n.d.) Ethel Cofie. Available at: <http://ethelcofie.com> [Accessed September 2, 2019].
- Collier, S.J., Cross, J. Redfield, P. and Street, A. (2017) 'Preface: Little Development Devices/Humanitarian Goods', in Collier, S.J., Cross, J., Redfield, P. and Street, A. (eds.) *Limn 9: Little Development Devices/Humanitarian Goods*. Available at: <https://limn.it/articles/precis-little-development-devices-humanitarian-goods> [Accessed April 11, 2020].
- Crang, M. and Cook, I. (2007) *Doing Ethnographies*. London, Thousand Oaks, New Delhi and Singapore: SAGE Publications.
- Crang, M. (2004) 'Cultural Geographies of Tourism', in Lew, A.A., Hall, C.M. and Williams, A.M. (eds.) *A Companion to Tourism*. Malden, Oxford and Victoria: Blackwell Publishing, pp. 74–84.
- Crang, P. (1994) 'It's Showtime; On the Workplace Geographies of Display in a Restaurant in Southeast England', *Environment and Planning D*, 12, pp. 675–704.
- Cringely, R.X. (1992) *Accidental Empires: How the Boys of Silicon Valley Make Their Millions, Battle Foreign Competition and Still Can't Get a Date*. New York: Harper Business.
- Czarniawska, B. (1999) *Writing Management: Organization Theory as a Literary Genre*. Oxford and New York: Oxford University Press.
- Czarniawska, B. (2004) *Narratives in Social Science Research*. London: SAGE Publications.
- d'Hauteserre, A.-M. (2004) 'Postcolonialism, Colonialism, and Tourism', in Lew, A.A., Hall, C.M. and Williams, A.M. (eds.) *A Companion to Tourism*. Malden, Oxford and Victoria: Blackwell Publishing, pp. 235–245.
- Dahm, S. (2017) "'Just Do It!' - Considerations on the Acquisition of Hackerspace Field Skills as an Ethnomethodological Research Technique', *Digital Culture and Society*, 3(1), pp. 109–124.
- Dana, L.-P, Ratten, V. and Honyenuga, B.Q. (2018) 'Introduction to African Entrepreneurship', in Dana, L.-P, Ratten, V. and Honyenuga, B.Q. (eds.) *African Entrepreneurship: Challenges and Opportunities for Doing Business*. Cham, Switzerland: Palgrave Macmillan, pp. 1–7.
- Davies, S.R. (2017) *Hackerspace: Making the Maker Movement*. Cambridge and Malden: Polity Press.

- Davies, S.R. (2018) 'Characterizing Hacking: Mundane Engagement in US Hacker and Makerspaces', *Science, Technology, & Human Values*, 43(2), pp. 171–197.
- Davies, S.R. and Horst, M. (2016) *Science Communication: Culture, Identity and Citizenship*. London: Palgrave Macmillan.
- de Bastion, G. (2013) *Technology Hubs – Creating Space for Change: Africa's Technology Innovation Hubs*. Bonn: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).
- de la Chaux, M. and Okune, A. (2017) 'The Challenges of Technology Entrepreneurship in Emerging Markets: A Case Study in Nairobi', in Ndemo, B. and Weiss, T. (eds.) *Digital Kenya: An Entrepreneurial Revolution in the Making*. London: Palgrave Macmillan, pp. 265–289.
- de Leeuw, S., Parkes, M.W., Morgan, V.S., Christensen, J., Lindsay, N., Mitchell-Foster, K. and Russell Jozkow, J. (2017) 'Going Unscripted: A Call to Critically Engage Storytelling Methods and Methodologies in Geography and the Medical-health Sciences', *The Canadian Geographer/Le Géographe canadien*, 61(2), pp. 152–164.
- de Peuter, G. (2011) 'Creative Economy and Labor Precarity: A Contested Convergence', *Journal of Communication Inquiry*, 35(4), pp. 417–425.
- de Soto, H. (1989) *The Other Path: The Invisible Revolution in the Third World*. New York: Harper & Row.
- Decoloniality Europe (2013) *Charter of Decolonial Research Ethics*. Available at: <http://www.decolonialityeurope.wixsite.com/decoloniality/charter-of-decolonial-research-ethics> [Accessed August 21, 2019].
- Dees, G.J. (1998) *The Meaning of "Social Entrepreneurship"*. Available at: https://centers.fuqua.duke.edu/case/wp-content/uploads/sites/7/2015/03/Article_Deas_MeaningofSocialEntrepreneurship_2001.pdf [Accessed July 8, 2021].
- Delaney, K. (2018) *Closing Africa's Connectivity Gap*. Available at: https://connectedfutures.cisco.com/article/closing-africas-connectivity-gap/?dysig_tid=519f2621fd304b2e82b2cf3e7373db7f&DTID=esosahoo0746&REFERING_SITE=Twitter&CREATIVE=275365+SAH&POSTID=9c37bcc3-5f56-4c40-8b66-01783eed2e5d [Accessed September 2, 2019].
- Demirović, A., Lettow, S. and Maihofer, A. (2019) 'Einleitung', in Demirović, A., Lettow S. and Maihofer, A. (eds.) *Emanzipation: Zur Geschichte und Aktualität eines politischen Begriffs*. Münster: Westfälisches Dampfboot, pp. 7–9.

- Dickel, S. (2019) *Prototyping Society – Zur vorausseilenden Technologisierung der Zukunft*. Bielefeld: transcript.
- Dickel, S. and Schrape, J.-F. (2017) 'The Logic of Digital Utopianism', *Nanoe-thics*, 11, pp. 47–58.
- Dieterich, J. (2018) *M-Pesa: Wir sind drin!* Available at: http://www.brandeins.de/magazine/brand-eins-wirtschaftsmagazin/2018/mobilitaet/m-pesa-wir-sind-drin?utm_source=zeit&utm_medium=parkett [Accessed September 2, 2019].
- Digital Inclusion Survey (n.d.) *Digital Inclusion Builds Communities Today (and Tomorrow)*. Available at: <https://digitalinclusion.umd.edu> [Accessed August 12, 2019].
- Disrupt Africa (2021) *African Tech Startups – Funding Report 2020*. Available at: <https://disrupt-africa.com/funding-report> [Accessed April 16, 2021].
- Disrupt Africa (2022a) *The African Tech Startups Funding Report 2021*. Available at: <https://disrupt-africa.com/wp-content/uploads/2023/02/The-African-Tech-Startups-Funding-Report-2022.pdf> [Accessed July 16, 2023].
- Disrupt Africa (2022b) *The Kenyan Startup Ecosystem Report 2022*. Available at: <https://disrupt-africa.com/wp-content/uploads/2022/12/The-Kenyan-Startup-Ecosystem-Report-2022.pdf> [Accessed July 16, 2023].
- do Mar Castro Varela, M. and Dhawan, N. (2015) *Postkoloniale Theorie: Eine kritische Einführung*. Bielefeld: transcript.
- Doevenspeck, M. and Hollstegge, J. (2019) 'Digitalisierung in Ostafrika', *Geographische Rundschau*, 71(11), pp. 30–33.
- Dolan, C. and Rajak, D. (2016) 'Toward the Anthropology of Corporate Social Responsibility', in Dolan, C. and Rajak, D. (eds.) *The Anthropology of Corporate Social Responsibility*. New York and Oxford: Berghahn, pp. 1–28.
- Dourish, P. and Mainwaring, S. D. (2012) 'Ubicomp's Colonial Impulse', *Proceedings of the 2012 ACM Conference on Ubiquitous Computing*, pp. 133–142.
- Dutta, M. (2016) 'Place of Life Stories in Labour Geography: Why Does it Matter?', *Geoforum*, 77, pp. 1–4.
- Eckhardt, J., Kaletka, C., Pelka, B., Unterfrauner, E., Voigt, C. and Zirngiebl, M. (2021) 'Gender in the Making: An Empirical Approach to Understand Gender Relations in the Maker Movement', *International Journal of Human-Computer Studies*, 145, Article 102548.
- Edgerton, D. (2007) 'Creole Technologies and Global Histories: Rethinking how Things Travel in Space and Time', *History of Science and Technology*, 1(1), pp. 75–112.

- Ehn, B. (2011) 'Doing-It-Yourself: Autoethnography of Manual Work', *Ethnologia Europaea*, 41(1), pp. 53–63.
- Electronics Tutorials (2021) 555 Timer Tutorial. Available at: http://www.electronics-tutorials.ws/waveforms/555_timer.html [Accessed May 12, 2021].
- Elkan, W. (1988) 'Entrepreneurs and entrepreneurship in Africa', *The World Bank Research Observer*, 3(2), pp. 171–188.
- Elyachar, J. (2012) 'Next Practices: Knowledge, infrastructure, and Public Goods at the Bottom of the Pyramid', *Public Culture*, 24(1), pp. 109–129.
- England, K.V.L. (1994) 'Getting Personal: Reflexivity, Positionality, and Feminist Research', *The Professional Geographer*, 46(1), pp. 80–89.
- Escobar, A. (2015) 'Commons im Pluriversum', in Helfrich, S., Bollier, D. and Heinrich-Böll-Stiftung (eds.) *Die Welt der Commons: Muster gemeinsamen Handelns*. Bielefeld: transcript, pp. 334–345.
- Eshun, K. (2003) 'Further Considerations on Afrofuturism', *The New Centennial Review*, 3(2), pp. 287–302.
- Esteva, G. (1992) 'Development', in Sachs, W. (ed.) *The Development Dictionary: A Guide to Knowledge as Power*. London: Zed Books, pp. 1–23.
- Fanon, F. (1966) *Die Verdammten dieser Erde*. Frankfurt am Main: Suhrkamp. (Original work published 1961).
- Faria, C. and Mollett, S. (2016) 'Critical Feminist Reflexivity and the Politics of Whiteness in the "Field"', *Gender, Place & Culture*, 23(1), pp. 79–93.
- Farias, I. and Wilkie, A. (2015) 'Studio Studies: Notes for a Research Program', in Farias, I. and Wilkie, A. (eds.) *Studio Studies: Operations, Topologies & Displacements*. London: Routledge, pp. 1–21.
- Fayomi, O.O., Adebayo, G. and Okorie, U. (2018) 'The Resilient Informal Economy in the Milieu of African Development', in Oloruntoba, S.O. and Falola, T. (eds.) *The Palgrave Handbook of African Politics, Governance and Development*. New York: Palgrave Macmillan, pp. 661–676.
- Felt, U. and Fochler, M. (2012) *What Science Stories Do: Rethinking the Multiple Consequences of Intensified Science Communication*. Re-print published by the Department of Social Studies of Science, University of Vienna. Available at: https://sts.univie.ac.at/fileadmin/user_upload/i_sts/Uber_uns/pdfs_Felt/Felt_Fochler_Stories.pdf [Accessed June 13, 2020].
- Ferguson, J. (1999) *Expectations of Modernity: Myths and Meanings of Urban Life on the Zambian Copperbelt*. Berkeley, Los Angeles and London: University of California Press.
- Fernández-Barrera, M., De Filippi, P., Gomes de Andrade, N.N. and Viola de Azevedo Cunha, M. (2009) 'Introduction: Looking into the future', in

- Fernández-Barrera, M., Gomes de Andrade, N.N., De Filippi, P., Viola de Azevedo Cunha, M., Sartor, G. and Casanovas, P. (eds.) *Law and Technology: Looking into the Future – Selected Essays*. Pistoia: European Press Academic Publishing, pp. 11–30.
- Fioramonti, L. (2018) 'Africa's Development Narratives: From Growth to Well-being', in Oloruntoba, S.O. and Falola, T. (eds.) *The Palgrave Handbook of African Politics, Governance and Development*. New York: Palgrave Macmillan, pp. 737–749.
- Foster, W., Goodman, S., Osiakwan, E. and Bernstein, A. (2004) 'Global Diffusion of the Internet IV: The Internet in Ghana', *Communications of the Association for Information Systems*, 13(38), pp. 654–680.
- Foucault, M. (1981) *Archäologie des Wissens*. Frankfurt am Main: Suhrkamp.
- Foucault, M. (1991) *Die Ordnung des Diskurses: Inauguralvorlesung am Collège de France, 2. Dezember 1970*. Frankfurt am Main: Fischer Verlag.
- Foucault, M. (1993) 'About the Beginning of the Hermeneutics of the Self: Two Lectures at Dartmouth', *Political Theory*, 21(2), pp. 198–227.
- Frank, A.G. (1967) *Capitalism and Underdevelopment in Latin America: Historical Studies of Chile and Brazil*. New York and London: Monthly Review Press.
- Freeman, C. (2014) *Entrepreneurial Selves: Neoliberal Respectability and the Making of a Caribbean Middle Class*. Durham and London: Duke University Press.
- Fressoli, M., Dias, R. and Thomas, H. (2014) 'Innovation and Inclusive Development in the South: A Critical Perspective', in Medina, E., da Costa Marques, I. and Holmes, C. (eds.) *Beyond Imported Magic – Essays on Science, Technology, and Society in Latin America*. Cambridge and London: MIT Press, pp. 47–65.
- Frey, C.B. and Osborne, M.A. (2013) *The Future of Employment: How Susceptible are Jobs to Computerisation?* Oxford: Working Paper published by the Oxford Martin Programme on Technology and Employment.
- Friederici, N. (2016) 'Innovation Hubs in Africa: Assemblers of Technology Entrepreneurs'. PhD Thesis, Oxford Internet Institute, University of Oxford.
- Friederici, N. (2019) 'Hope and Hype in Africa's Digital Economy: The Rise of Innovation Hubs', in Graham, M. (ed.) *Digital Economies at Global Margins*. Cambridge and London: MIT Press, pp. 193–221.
- Funches, M. (2018) 19 September. Available at: <http://www.instagram.com/p/Bn6n-QrlPGk> [Accessed July 1, 2021].

- Gabriel, Y. (2004) 'Narratives, Stories, Texts', in Grant, D., Hardy, C., Osrick, C. and Putnam, L.L. (eds.) *The Sage Handbook of Organizational Discourse*. London, Thousand Oaks and New Delhi: SAGE Publications, pp. 61–79.
- Gachigi, K. (2017) *Changing Gears for the Fourth Industrial Revolution*. Available at: <http://www.makingitmagazine.net/?p=10250> [Accessed February 14, 2019].
- Garud, R., Schildt, H.A. and Lant, T.K. (2014) 'Entrepreneurial Storytelling, Future Expectations, and the Paradox of Legitimacy', *Organization Science*, 25(5), pp. 1479–1492.
- Gathege, D. and Moraa, H. (2013) *ICT Hubs Model: Understanding the Key Factors of the iHub Model, Nairobi Kenya*. Available at: http://www.research.ihub.co.ke/uploads/2013/may/1367834943__374.pdf [Accessed February 23, 2017].
- Gearbox (2016) *Detailed Overview*. Unpublished internal document.
- Gearbox (2021) *Insights*. Available at: <http://www.gearbox.co.ke/insights> [Accessed July 6, 2021].
- Gibson, C. (2016) 'Material Inheritances: How Place, Materiality, and Labor Process Underpin the Path-dependent Evolution of Contemporary Craft Production', *Economic Geography*, 92(1), pp. 61–86.
- Gibson-Graham, J.K. (2002) 'Beyond Global vs. Local: Economic Politics Outside the Binary Frame', in Herod, A. and Wright, M. W. (eds.) *Geographies of Power: Placing scale*. Malden, Oxford, Melbourne and Berlin: Blackwell Publishers, pp. 25–60.
- Gillies, D. (2011) 'Agile Bodies: A New Imperative in Neoliberal Governance', *Journal of Education Policy*, 26(2), pp. 207–223.
- Giuliani, D. and Ajadi, S. (2019) *618 Active Tech Hubs: The Backbone of Africa's Tech Ecosystem*. Available at: <http://www.gsma.com/mobilefordevelopment/blog/618-active-tech-hubs-the-backbone-of-africas-tech-ecosystem> [Accessed October 9, 2020].
- Goldstein, J. and Rotich, J. (2008) *Digitally Networked Technology in Kenya's 2007–2008 Post-election Crisis*. Berkman Center Research Publication 9, pp. 1–10.
- Good Things Foundation (2018) *Digital Nation 2018*. Available at: <http://www.goodthingsfoundation.org/researchpublications/digital-nation-2018> [Accessed August 12, 2019].
- Government of the Republic of Kenya (GRoK) (2007) *Kenya Vision 2030 – A Globally Competitive and Prosperous Kenya*. Available at: <http://www.re>

- searchictafrica.net/countries/kenya/Kenya_Vision_2030_-_2007.pdf [Accessed October 21, 2019].
- Government of the Republic of Kenya (GRoK) (2012) Sessional Paper No. 9 of 2012 on the National Industrialization Policy Framework for Kenya 2012–2030. Available at: <https://repository.kippra.or.ke/handle/123456789/1037> [Accessed April 23, 2023].
- Government of the Republic of Kenya (GRoK) (2018) Kenya Vision 2030 Third Medium Term Plan 2018–2022. Transforming Lives: Advancing Socio-economic Development Through the “Big Four”. Available at: <https://vision2030.go.ke/publication/third-medium-term-plan-2018-2022> [Accessed October 21, 2019].
- Graham, M. (2011) ‘Time Machines and Virtual Portals: The Spatialities of the Digital Divide’, *Progress in Development Studies*, 11(3), pp. 211–227.
- Graham, M. (2015) ‘Contradictory Connectivity: Spatial Imaginaries and Technomediated Positionalities in Kenya’s Outsourcing Sector’, *Environment and Planning A*, 47, pp. 867–883.
- Graham, M. (ed.) (2019) *Digital Economies at Global Margins*. Cambridge and London: MIT Press.
- Graham, M. and Mann, L. (2013) ‘Imagining a Silicon Savannah? Technological and Conceptual Connectivity in Kenya’s BPO and Software Development Sectors’, *The Electronic Journal of Information Systems in Developing Countries*, 56(2), pp. 1–19.
- Graham, M., Andersen, C. and Mann, L. (2015) ‘Geographical Imagination and Technological Connectivity in East Africa’, *Transactions of the Institute of British Geographers*, 40(3), pp. 334–349.
- Gramsci, A. (1991–2002): *Gefängnishefte: Kritische Gesamtausgabe*. Bochmann, K. and Haug, W.F. (eds.). Hamburg: Argument Verlag. (Original work published 1975 by Fondazione Istituto Gramsci).
- Granovetter, M. (1990) *Entrepreneurship, Development and the Emergence of Firms*. Wissenschaftszentrum Berlin für Sozialforschung: Berlin: FS I 90–2.
- Gregg, M. (2011) *Work’s Intimacy*. Malden: Polity Press.
- Grimme, S., Bardzell, J. and Bardzell, S. (2014) ‘We’ve Conquered Dark: Shedding Light on Empowerment in Critical Making’, *Proceedings of the 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational*. ACM, pp. 431–440.
- Guma, P.K. (2022) ‘Nairobi’s rise as a digital platform hub’, *Current History*, 121(835), pp. 184–189.

- Gymnich, M. (2002) 'Linguistics and Narratology: The Relevance of Linguistic Criteria to Postcolonial Narratology', in Gymnich, N., Nünning, A. and Nünning, V. (eds.) *Literature and Linguistics: Approaches, Models, and Applications*. Trier: Wissenschaftlicher Verlag, pp. 61–76.
- Hain, D.S. and Jurowetzki, R. (2018) 'Local Competence Building and International Venture Capital in Low-Income Countries: Exploring Foreign High-Tech Investments in Kenya's Silicon Savanna', *Journal of Small Business and Enterprise Development*, 25(3), pp. 447–482.
- Hall, S. (2018) 'The West and the Rest: Discourse and Power', in Gupta, T.D., James, C.E., Andersen, C., Galabuzi, G-E. and Maaka, R.C.A. (eds.) *Race and Racialization: Essential Readings*. Toronto: Canadian Scholars, pp. 85–93. (Original work published 1992).
- Halverson, E.R. and Sheridan, K.M. (2014) 'The Maker Movement in Education', *Harvard Educational Review*, 84(4), pp. 495–504.
- Haraway, D. (1988) 'Situated Knowledges: The Science Question in Feminism and the Privilege of Partial Perspective', *Feminist Studies*, 14(3), pp. 575–599.
- Haraway, D. (1991) *Simians, Cyborgs, and Women: The Reinvention of Nature*. New York: Routledge.
- Hartware MedienKunstVerein (2017) *Afro-Tech and the Future of Re-Invention* (Exhibition Booklet). Dortmund: n.p.
- Hersman, E. (2013) 'Mobilizing Tech Entrepreneurs in Africa (Innovations Case Narrative: iHub)', *Innovations: Technology, Governance, Globalization*, 7(4), pp. 59–67.
- Hielscher, S. (2017) 'Experimenting with Novel Socio-Technical Configurations: The Domestication of Digital Fabrication Technologies in FabLabs', *Digital Culture and Society*, 3(1), pp. 47–72.
- Hope, C. (2017) *Where did the Dependency Approach Go?* Available at: <https://roape.net/2017/02/09/dependency-approach-go-global-capitalism-african-economics> [Accessed November 30, 2020].
- Hruby, A. and Bright, J. (2015) *The Rise Of Silicon Savannah And Africa's Tech Movement*. Available at: <https://techcrunch.com/2015/07/23/the-rise-of-silicon-savannah-and-africas-tech-movement> [Accessed May 12, 2020].
- iHub (2017) *About Us*. Available at: <http://www.ihub.co.ke/about> [Accessed January 20, 2017].
- Ikiara, G.K., Olewe-Nyunya, J. and Odhiambo, W. (2004) 'Kenya: Formulation and Implementation of Strategic Trade and Industrial Policies', in Soludo, C.C., Ogbu, O. and Chang, H-J. (eds.) *The Politics of Trade and Industrial*

- Policy in Africa: Forced Consensus? Trenton and Ottawa: Africa World Press and International Development Research Centre, pp. 205–225.
- Instagram (2021) #africanengineering 04 June. Available at: <http://www.instagram.com/explore/tags/africanengineering> [Accessed June 4, 2021].
- International Telecommunication Union (2019) Digital Inclusion. Available at: https://www.itu.int/en/ITU-D/Digital-Inclusion/Pages/Reports_and_Resources.aspx [Accessed August 12, 2019].
- Irani, L. (2015) 'Hackathons and the Making of Entrepreneurial Citizenship', *Science, Technology, & Human Values*, 40(5), pp. 799–824.
- Irani, L. (2019) *The Politics of Trade and Industrial Policy in Africa: Forced Consensus?* Princeton and Oxford: Princeton University Press.
- Jack, M. and Avle, S. (2021) 'A Feminist Geopolitics of Technology', *Global Perspectives*, 2(1), 24398. Available at: doi.org/10.1525/gp.2021.24398 [Accessed November 4, 2021].
- Jackson, T. (2017) What Does It Mean for Technology to be Innately African? Available at: <http://disrupt-africa.com/2017/01/what-does-it-mean-for-technology-to-be-innately-african> [Accessed June 13, 2020].
- Jiménez, A. (2019) 'Inclusive Innovation From the Lenses of Situated Agency: Insights From Innovation Hubs in the UK and Zambia', *Innovation and Development*, 9, pp. 41–64.
- Jones, C. and Spicer, A. (2005) 'Outline of a Genealogy of the Value of the Entrepreneur', in Erreygers, G. and Jacobs, G. (eds.) *Language, Communication and the Economy*. Amsterdam and Philadelphia: John Benjamins Publishing Company, pp. 179–197.
- Juma, C. (2017) The Misplaced Promise of Africa's Mobile Revolution. Available at: <https://thebreakthrough.org/index.php/journal/past-issues/issue-7/leapfrogging-progress> [Accessed August 30, 2019].
- Juma, C. (2019) 'Digital Services and Industrial Inclusion: Growing Africa's Technological Complexity', in Graham, M. (ed.) *Digital Economies at Global Margins*. Cambridge and London: MIT Press, pp. 33–37.
- Junne, G. (2018) 'African Entrepreneurship: Constraints and Improvements', in Dana, L-P., Ratten, V. and Honyenuga, B.Q. (eds.) *African Entrepreneurship: Challenges and Opportunities for Doing Business*. E-book: Palgrave Macmillan, pp. 117–130.
- Kanyinga, K. and Okello, D. (eds.) (2010) *Tensions and Reversals in Democratic Transitions: The Kenya 2007 General Elections*. Nairobi: Society for International Development and University of Nairobi.

- Kappel, R. and Müller, M. (2007) 'Breites Wirtschaftswachstum in Afrika – die große Wende?', GIGA Focus Afrika 6. Available at: http://www.giga-hamburg.de/de/system/files/publications/gf_afrika_0706.pdf [Accessed June 5, 2019].
- Karake, M. (2018a) Silicon, meet Savanna: A Love Story. Available at: https://medium.com/@mark_65941/silicon-meet-savanna-dc5e8fc90157 [Accessed June 13, 2020].
- Karake, M. (2018b) The Digital Scramble for Africa. Available at: <https://medium.com/impact-africa-network/the-digital-scramble-for-africa-31f3e4c3e99> [Accessed June 13, 2020].
- Kenya Association of Manufacturers (KAM) (2018) Manufacturing Priority Agenda 2018 – Sparking Kenya's Industrial Transformation for Job Creation. Available at: <http://www.tralac.org/documents/resources/by-country/kenya/1751-kam-manufacturing-priority-agenda-2018/file.html> [Accessed October 21, 2019].
- Kenya Association of Manufacturers (KAM) (2023) Kenya manufacturers aim to contribute 20% of country's GDP by 2030. Available at: <https://kam.co.ke/kenya-manufacturers-aim-to-contribute-20-of-countrys-gdp-by-2030/> [Accessed March 21, 2023].
- Kenya Industrial Research and Development Institute (KIRDI) (2006) Improving access to technology for enhanced industrial development of Kenya. Presentation to Ministry of Trade and Industry and Stakeholders, October 17, 2006. Available at: <http://www.infodev.org/infodev-files/resource/idi/document/Access%20to%20technology%20for%20enhanced%20industrial%20development,%20case%20Kenya,%20KIRDI%20Board.pdf> [Accessed October 21, 2019].
- Kenya Industrial Research and Development Institute (KIRDI) and Kenya Vision 2030 (2019) Kenya Industrial Research and Development Institute: Strategic Plan 2016–2021. Available at: <https://kirdi.go.ke/images/demo/documents/KIRDI%202016-2021%20%20DRAFT%20%20STRATEGIC%20PLAN.pdf> [Accessed June 13, 2019].
- Kenya Industrial Training Institute (KITI) (n.d.) About KITI. Available at: <http://kiti.ac.ke/node/1> [Accessed October 21, 2019].
- Kenyatta, J. (1971) Facing Mount Kenya: The Tribal Life of the Gikuyu. Nairobi: Heinemann Educational Books. (Original work published 1938 by Secker and Warburg).
- Kepple (2018) Create New Industries. Available at: <https://kepple-group.com/en> [Accessed May 4, 2021].

- Kepple Africa Ventures (2020) Kepple Africa Ventures. Available at: <https://kepple-africa-ventures.com> [Accessed May 4, 2021].
- Kera, D. (2012) 'NanoSmano Lab in Ljubljana: Disruptive Prototypes and Experimental Governance of Nanotechnologies in the Hackerspaces', *Journal of Science Communication*, 11(4), pp. 1–5.
- Khan, S. (n.d.) Contradictions of Africa Rising Narrative. Available at: <https://www.au-watch.org/contradictions-of-africa-rising-narrative> [Accessed June 10, 2021].
- Kiggundu, M.N. (2002) 'Entrepreneurs and Entrepreneurship in Africa: What is Known and What Needs to be Done', *Journal of Developmental Entrepreneurship*, 7(3), pp. 239–258.
- King, K. (1996a) *Jua Kali Kenya: Change and development in an informal economy, 1970–1995*. Nairobi: East African Educational Publishers.
- King, K. (1996b) 'Microenterprise: Macroeconomic Environment: Revisiting Kenya's Informal (Jua Kali) Sector Against the Background of the Formal Globalising Economy', *International Journal of Educational Development*, 16(4), pp. 417–426.
- Kish, Z. and Fairbairn, M. (2018) 'Investing for Profit, Investing for Impact: Moral Performances in Agricultural Investment Projects', *Environment and Planning A*, 50(3), pp. 569–588.
- Kleine, D. und Unwin, T. (2009) 'Technological Revolution, Evolution and New Dependencies: What's New about ICT4D?', *Third World Quarterly*, 30(5), pp. 1045–1067.
- Knott-Craig, A. (2015) What Boxes Africa's Unicorn Must Tick. Available at: <https://disrupt-africa.com/2015/09/what-boxes-africas-unicorn-must-tick> [Accessed June 13, 2020].
- Köckritz, A. (2017) 'Bits and Bytes in Kenya', *DIE ZEIT*. 30 March, 2017, p. 8.
- Kocksch, L., Korn, M., Poller, A. and Wagenknecht, S. (2018) 'Caring for IT Security: Accountabilities, Moralities, and Oscillations in IT Security Practices', *Proceedings of the ACM on Human-Computer Interaction* 2, Computer-Supported Cooperative Work and Social Computing, 92, pp. 1–20.
- Kohtala, C., Boeva, Y., Holm, F. and Stassen, S. (2020) 'Makers and Design in South Africa: Technology and Craft Cultures and their Antecedents', *Digital Culture & Society*, 6(1), pp. 135–152.
- Komaza (n.d.) Komaza. Available at: www.komaza.com [Accessed April 20, 2021].

- Korf, B. and Rothfuß, E. (2016) 'Nach der Entwicklungsgeographie', in Freytag, T., Gebhardt, h., Gerhard, U. and Wastl-Walter, D. (eds.) *Humangeographie Kompakt*. Berlin and Heidelberg: Springer Verlag, pp. 163–183.
- Kreye, A. and Rabe, J.-C. (2018) "Black Panther" im Kino – Ein Mythos für die Zukunft der Menschheit. Available at: <http://www.sueddeutsche.de/kultur/black-panther-im-kino-ein-mythos-fuer-die-zukunft-der-menschheit-1.3880277> [Accessed July 5, 2021].
- Kroes, P., Franssen, F. and Bucciarelli, L. (2009) 'Rationality in Design', in Meijers, A. (ed.) *Handbook of the Philosophy of Science Volume 9: Philosophy of Technology and Engineering Sciences*. Burlington and Oxford: Elsevier BV, pp. 565–600.
- Kusimba, S. (2018) "It is Easy for Women to Ask!": Gender and Digital Finance in Kenya', *Economic Anthropology*, 5, pp. 247–260.
- Kwet, M. (2019) 'Digital Colonialism: US Empire and the New Imperialism in the Global South', *Race & Class*, 60(4), pp. 3–26.
- Laketa, S. (2018) 'Between "This" Side and "That" Side: On Performativity, Youth Identities and "Sticky" Spaces', *Environment and Planning D*, 36(1), pp. 178–196.
- Laliberté, N. and Schurr, C. (2016) 'The Stickiness of Emotions in the Field: Complicating Feminist Methodologies', *Gender, Place and Culture*, 23(1), pp. 72–78.
- Lall, S. and Wangwea, S. (1997) 'Industrial Policy and Industrialisation in Sub-Saharan Africa', *Journal of African Economies*, 7(1), pp. 70–107.
- Latour, B. (2005) *Reassembling the Social*. Oxford: Oxford University Press.
- Latour, B. (2009) 'Ein vorsichtiger Prometheus? Einige Schritte hin zu einer Philosophie des Designs, unter besonderer Berücksichtigung von Peter Sloterdijk', in van Tuinen, S., Hemelsoet, K. and Jongen, M. (eds.) *Die Vermessung des Ungeheuren – Philosophie nach Peter Sloterdijk*. Paderborn: Wilhelm Fink Verlag, pp. 357–374.
- Law, J. (1994) *Organizing Modernity*. Oxford and Cambridge: Blackwell Publishers.
- Law, J. (2006) *Making a Mess with Method*. Draft version of 19th January 2006. Available at: <http://heterogeneities.net/publications/Law2006MakingAMesswithMethod.pdf> [Accessed June 24, 2020].
- Lemke, T. (2000) 'Neoliberalismus, Staat und Selbsttechnologien. Ein kritischer Überblick über die governmentality studies', *Politische Vierteljahresschrift*, 41(1), pp. 31–47.

- Lindtner, S. (2013) 'Making Subjectivities: How China's DIY Makers Remake Industrial Production, Innovation & the Self', Eleventh Chinese Internet Research Conference (CIRC11), University of Oxford. Available at: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2282420 [Accessed January 19, 2018].
- Lindtner, S., Hertz, G. and Dourish, P. (2014) 'Emerging Sites of HCI Innovation: Hackerspaces, Hardware Startups & Incubators', Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, pp. 439–448.
- Linton, I. (2017) The Advantages of Rapid Prototyping. Available at: <https://bizfluent.com/list-6902725-advantages-rapid-prototyping.html> [Accessed May 4, 2019].
- Lippert, I. (2014) 'Studying Reconfigurations of Discourse: Tracing the Stability and Materiality of ›Sustainability/Carbon‹', *Zeitschrift für Diskursforschung*, 1, pp. 32–54.
- Longhurst, R. (2016) 'Semi-structured Interviews and Focus Groups', in Clifford, N., Cope, M., Gillespie, T. and French, S. (eds.) *Key Methods in Geography* (third edition). Los Angeles, London, New Delhi, Singapore, Washington DC and Melbourne: SAGE Publications, pp. 143–156.
- Longhurst, R., Ho, E. and Johnston, L. (2008) 'Using 'the Body' as an 'Instrument of Research': Kimchi and Pavlova', *Area*, 40(2), pp. 208–217.
- Lorey, I. (2006) Governmentality and Self-precarization: On the Normalization of Cultural Producers, in Raunig, G. and Ray, G. (eds.) *Art and Contemporary Critical Practice: Reinventing Institutional Critique*. London: Mayfly, pp. 187–202.
- Lorey, I. (2019) 'Emanzipation und Schulden', in Lettow S., Maihofer, A. and Demirović, A. (eds.) *Emanzipation: Zur Geschichte und Aktualität eines politischen Begriffs*. Münster: Westfälisches Dampfboot, pp. 10–15.
- Lummis, D.C. (1992) 'Equality', in Sachs, W. (ed.) *The Development Dictionary: A Guide to Knowledge as Power*. London: Zed Books, pp. 38–54.
- Maas, G., Jones, P. and Lockyer, J. (2019) 'The Journey to Transformational Entrepreneurship', in Maas, G. and Jones, P. (eds.) *Transformational Entrepreneurship Practices – Global Case Studies*. E-book: Palgrave Macmillan, pp. 1–14.
- Macharia, J. and Mutuku, L. (2014) Financing Technology Businesses in Kenya. Available at: http://www.ihub.co.ke/ihubresearch/jb_FinancingTechnologyBusinesspdf2014-2-7-09-49-09.pdf [Accessed May 12, 2020].

- Macharia, K. (2016) Facebook's Zuckerberg in Kenya, To Meet Tech Entrepreneurs. Available at: <http://www.capitalfm.co.ke/business/2016/09/facebooks-zuckerberg-kenya-meet-tech-entrepreneurs> [Accessed March 17, 2021].
- Madichie, N.O., Taura, N.D. and Bolat, E. (2019) 'What Next for Digital Entrepreneurship in Sub-Saharan Africa?', in Taura, N.D., Bolat, E. and Madichie, N.O. (eds.) *Digital Entrepreneurship in Sub-Saharan Africa – Challenges, Opportunities and Prospects*. E-book: Palgrave Macmillan, pp. 221–240.
- Maker Faire Africa (2012) Our Maker Manifesto. Available at: <http://makerfaireafrica.com/2012/10/20/our-maker-manifesto> [Accessed November 30, 2020].
- Manske, J. (2014) *Innovations out of Africa. The Emergence, Challenges and Potential of the Kenyan Tech Ecosystem*. Vodafone Institute for Society and Communications. Available at: https://www.vodafone-institut.de/wp-content/uploads/2015/09/VFI_InnovationsAfrica_EN.pdf [Accessed July 16, 2021].
- Marchant, E. (2014) *The Geography of Technology Creation: An Ethnographic Look at Two Technology Communities*. Conference presentation at the Annenberg School for Communication on April 4, 2014.
- Marchant, E. (2015) *Who is ICT Innovation For? Challenges to Existing Theories of Innovation, a Kenyan Case Study*. CGCS Occasional Paper Series on ICTs, Statebuilding, and Peacebuilding in Africa, Number 4. Available at: https://ora.ox.ac.uk/objects/uuid:413e3b42-bbe5-4234-9988-6192b24cb837/download_file?file_format=application%2Fpdf&safe_filename=Marchant_Who-is-ICT-Innovation-for.pdf&type_of_work=Report [Accessed October 24, 2019].
- Marchant, E. (2018) 'Anyone Anywhere: Narrating African Innovation in a Global Community of Practice', PhD thesis, University of Pennsylvania, USA. Available at: <https://repository.upenn.edu/edissertations/2746> [Accessed June 12, 2020].
- Marris, P. and Somerset, A. (1971) *African Businessman: A Study of Entrepreneurship and Development in Kenya*. London: Routledge and Kegan Paul.
- Marshall, D.J. (2014) 'Love Stories of the Occupation: Storytelling and the Counter-geopolitics of Intimacy', *Area*, 46(4), pp. 349–351.
- Martin, L. (2015) 'The Promise of the Maker Movement for Education', *Journal of Pre-College Engineering Education Research*, 5(1), pp. 30–39.

- Marwick, A. (2013) Silicon Valley Isn't a Meritocracy. And It's Dangerous to Hero-Worship Entrepreneurs. Excerpted by Sonal Chokshi. Available at: <http://www.wired.com/2013/11/silicon-valley-isnt-a-meritocracy-and-the-cult-of-the-entrepreneur-holds-people-back> [Accessed July 8, 2021].
- Marx, K. (2011) *Capital Volume One: A Critique of Political Economy*. Mineola: Dover Publications. (Original published 1867 by Otto Meissner Verlag).
- Mashigo, M. (2018) Afrofuturism: Ayashis' Amateki. Available at: <https://johannesburgreviewofbooks.com/2018/10/01/afrofuturism-is-not-for-africans-living-in-africa-an-essay-by-mohale-mashigo-excerpted-from-her-new-collection-of-short-stories-intruders> [Accessed July 2, 2021].
- Mauksch, S. (2017) 'Managing the Dance of Enchantment: An Ethnography of Social Entrepreneurship Events', *Organization*, 24(2), pp. 133–153.
- Mavhunga, C.C. (2017) 'Introduction: What Do Science, Technology, and Innovation Mean from Africa?', in Mavhunga, C.C. (ed.) *What Do Science, Technology, and Innovation Mean from Africa?* Cambridge and London: MIT Press, pp. 1–27.
- Maxigas (2012) 'Hacklabs and Hackerspaces: Tracing Two Genealogies', *Journal of Peer Production* 2. Available at: <http://peerproduction.net/issues/issue-2/peer-reviewed-papers/hacklabs-and-hackerspaces> [Accessed January 31, 2018].
- Maxigas (2014) Hacklabs and Hackerspaces: Shared Machine Workshops. Available at: http://www.researchgate.net/publication/265378243_Hacklabs_and_Hackerspaces_Shared_machine_workshops [Accessed July 12, 2017].
- Mbembe, A. (2001) *On the Postcolony*. Berkeley, Los Angeles and London: University of California Press.
- McCarrick, H. and Kleine, D. (2019) 'Digital Inclusion, Female Entrepreneurship, and the Production of Neoliberal Subjects – Views from Chile and Tanzania', in Graham, M. (ed.) *Digital Economies at Global Margins*. Cambridge, London, Ottawa, Amman, Montevideo, Nairobi and New Delhi: MIT Press and International Development Research Centre, pp. 103–127.
- McDowell, L. (2009) *Working Bodies: Interactive Service Employment and Workplace Identities*. Wiley-Blackwell: Chichester.
- McGregor, A. and Hill, D. (2009) 'North-South', in Kitchen, R. and Thrift, N. (eds.) *International Encyclopedia of Human Geography*. Oxford: Elsevier, pp. 473–480.

- McMorran, C. (2011) 'Work It Out: Using Work as Participant Observation to Study Tourism', in Hall, C.M. (ed.) *Fieldwork in Tourism – Methods, issues and reflections*. Oxon and New York: Routledge, pp. 220–231.
- McMorran, C. (2012) 'Practising Workplace Geographies: Embodied Labour as Method in Human Geography', *Area*, 44(4), pp. 489–495.
- McNamara, J. (2017) 'Digital Media, Development and Political Creativity – Between Utopia and Digital Disruption in Urban Nairobi', *Critical African Studies*, 9(3), pp. 268–280.
- McNeil, M. (2005) 'Introduction: Postcolonial Technoscience', *Science as Culture*, 14(2), pp. 105–112.
- McQuillan, M. (2000) 'Introduction: Aporias of Writing: Narrative and Subjectivity', in McQuillan, M. (ed.) *The Narrative Reader*. Oxon and New York: Routledge, pp. 1–33.
- Medina, E., da Costa Marques, I. and Holmes, C. (2014) 'Introduction: Beyond Imported Magic Beyond Imported Magic', in Medina, E., da Costa Marques, I. and Holmes, C. (eds.) *Essays on Science, Technology, and Society in Latin America*. Cambridge and London: MIT Press, pp. 1–23.
- Melber, H. (2001) *Der Weissheit letzter Schluss: Rassismus und kolonialer Blick*. Frankfurt: Brandes & Apsel.
- Mellis, D.A. (2011) 'Case Studies in the Digital Fabrication of Open-Source Consumer Electronic Products', Master's Thesis, Media Arts and Sciences School of Architecture and Planning, Massachusetts Institute of Technology. Available at: <https://alumni.media.mit.edu/~mellis/mellis-thesis-screen.pdf> [Accessed May 20, 2019].
- Mer, S. (2003) 'The Structural Engineer in the Design Office: A World, Its Objects, and Its Work Practices', in Vinck, D. (ed.) *Everyday Engineering – An Ethnography of Design and Innovation*. New Baskerville: MIT Press, pp. 79–91.
- M-Farm (2020) Homepage. Available at: <https://mfarm.co.ke> [Accessed June 13, 2020].
- Microsoft (2019) Furthering our Investment in Africa: Microsoft Opens First Africa Development Centre in Kenya and Nigeria. Available at: <https://news.microsoft.com/en-xm/features/furthering-our-investment-in-africa-microsoft-opens-first-africa-development-centre-in-kenya-and-nigeria> [Accessed February 8, 2021].
- Militz, E. (2017) 'Affective Nationalism: Bodies, Materials and Encounters with the Nation in Azerbaijan', PhD Thesis, University of Zurich. Available at:

- http://www.zora.uzh.ch/id/eprint/148790/1/2017_Militz_20173117.pdf [Accessed June 19, 2020].
- Miller, P. and Rose, N. (2008) *Governing the Present: Administering Economic, Social and Personal Life*. Cambridge and Malden: Polity Press.
- Ministry of Industrialization and Enterprise Development (MIED) (2015) Kenya's Industrial Transformation Programme. Available at: <https://industrialization.go.ke/index.php/downloads/282-kenya-s-industrial-transformation-programme> [Accessed October 21, 2019].
- Ministry of Industry, Trade and Cooperatives (MITC) (2018) Draft of the Environmental and Social Management Framework (ESMF) for Kenya Industry and Entrepreneurship Project (P161317). Available at: http://www.industrialization.go.ke/images/downloads/ESMF-KIEP_DRAFT-050318-WEBSITE.pdf [Accessed October 21, 2019].
- Ministry of Industry, Trade and Cooperatives (MITC) and the World Bank Group (n.d.) The Kenya Industry & Entrepreneurship Project. Available at: <http://www.industrialization.go.ke/index.php/kenya-industry-and-entrepreneurship-project-kiep/491-background-kenya-industry-and-entrepreneurship-project-kiep> [Accessed October 21, 2019].
- Mkandawire, T. (1988) 'The Road to Crisis, Adjustment and De-Industrialisation: The African Case', *Africa Development/Afrique et Développement*, 13(1), pp. 5–31.
- Mkandawire, T. (2014) 'The Spread of Economic Doctrines and Policymaking in Postcolonial Africa', *African Studies Review*, 57(1), pp. 171–198.
- Mobius Motors (2019) Designed for Africa. Built in Africa. Available at: <https://mobiusmotors.com/#> [Accessed June 13, 2020].
- Mol, A., Moser, I. and Pols, J. (2010) *Care in Practice. On Tinkering in Clinics, Homes and Farms*. Bielefeld: Transcript.
- Mozorov, E. (2013) The Perils of Perfection. Available at: <http://www.nytimes.com/2013/03/03/opinion/sunday/theperils-of-perfection.html> [Accessed January 4, 2017].
- Müller-Mahn, D. (2020) 'Envisioning African Futures: Development Corridors as Dreamscapes of Modernity', *Geoforum*, 115, pp. 156–159.
- Mungai, C. (2015) What's Holding Back Africa's Tech Startups? Available at: <http://www.weforum.org/agenda/2015/09/whats-holding-back-africa-s-tech-startups> [Accessed July 6, 2017].
- Mushakavanhu, T. (2017) African Manufacturing its own Hardware: BRCK Internet in a Box. Available at: <http://africanarguments.org/2017/01/06/af>

- rican-manufacturing-its-own-hardware-brck-internet-in-a-box-haller-prize-3rd-place [Accessed April 25, 2020].
- Okari, A. (2015) Co-working space in Nairobi's most famous tech hub. Available at: www.flickr.com/photos/ihub/albums/with/72157630527449606 [Accessed November 18, 2015].
- Mutu, W. (2013) The End of Eating Everything. Exhibited Dortmund: Hartware MedienKunstVerein (HMKV) (viewed 20 April, 2018). Animated video (color, sound), 8:00 minutes.
- Mutu, W. (2015) Interview: On the End of Eating Everything. Available at: <http://www.youtube.com/watch?v=yvGcO73MM-I> [Accessed July 5, 2021].
- Mutua, W. and Alliy, M. (2012) Innovative Africa: The New Face of Africa. Nairobi: Afrinnovator.com.
- Mwago, S. (2021) Google Unveils a 10 Million Dollar Grant to Support Kenya's Post Covid-19 Recovery. Available at: <http://www.invest.go.ke/google-unveils-10-million-dollar-grant-support-kenyas-post-covid-19-recovery> [Accessed February 14, 2023].
- Mwangi, A. (2023) How Manufacturing can Contribute 20% to the GDP by 2030. Available at: <https://kam.co.ke/how-manufacturing-can-contribute-20-to-the-gdp-by-2030> [Accessed March 21, 2023].
- Myers, N. (2008) 'Molecular Embodiments and the Body-work of Modeling in Protein Crystallography', *Social Studies of Science*, 38(2), pp. 163–199.
- Nafukho, F.M. and Muya, M.A.H. (2010) 'Entrepreneurship and Socioeconomic Development in Africa: A Reality or Myth?', *Journal of European Industrial Training*, 34(2), pp. 96–109.
- Narla, A. (2013) 'Technology in Africa: Set to Change the World', *Digital Development Debates* 12. Available at: <http://www.digital-development-debates.org/issue-12-power--mediatization--technology-in-africa-set-to-change-the-world.html> [Accessed September 2, 2019].
- Nascimento, S. (2014) 'Critical Notions of Technology and the Promises of Empowerment in Shared Machine Shops', *Journal of Peer Production*, 5, pp. 1–4.
- Naylor, S. (2008) 'Historical Geography: Geographies and Historiographies', *Progress in Human Geography*, 32(2), pp. 265–274.
- Ndemo, B. and Weiss, T. (eds.) (2017) *Digital Kenya – An Entrepreneurial Revolution in the Making*. Basingstoke: Palgrave.
- Ndemo, E.B. (2015) 'Political Entrepreneurialism: Reflections of a Civil Servant on the Role of Political Institutions in Technology Innovation and Diffusion

- in Kenya', *Stability: International Journal of Security & Development*, 4(1), Article 15, pp. 1–14.
- Ndlovu-Gatsheni, S.J. (2014) 'Global Coloniality and the Challenges of Creating African Futures', *Strategic Review for Southern Africa*, 36(2), pp. 181–202.
- Nduka-Agwu, A. and Bendix, D. (2008) 'Die weiße Darstellung „Afrikas“ in der deutschen Öffentlichkeit. Wie ein Kontinent genormt, verformt und verdunkelt wird', *HUCH! Sonderausgabe Rassismus*, Winter 08/09, pp. 18–19.
- Nichols, G. (2015) *A Rapid Prototyping Primer: From Batman's Belt to a Hardware Revolution*. Available at: <http://www.zdnet.com/article/a-rapid-prototyping-primer-from-batmans-belt-to-a-hardware-revolution> [Accessed July 15, 2021].
- Nitsche, L. (2019) *Finding Digital Solutions to Local Problems, Kenya's Innovation Scene is No One-Hit Wonder*. Deutsche Welle. Available at: <https://p.dw.com/p/3BhtL> [Accessed February 18, 2021].
- Njugunah, M. (2016) *Kenyan Start-Ups Struggle to get 'Reasonable' Investors*. Available at: <http://www.capitalfm.co.ke/business/2016/03/kenyan-start-ups-struggle-to-get-reasonable-investors> [Accessed July 5, 2017].
- Noble, D.F. (1984) *Forces of Production: A Social History of Industrial Automation*. New York: Knopf.
- Nothias, T. (2014) "'Rising", "Hopeful", "New": Visualizing Africa in the Age of Globalization', *Visual Communication*, 13(3), pp. 323–339.
- Obeng-Odoom, F. (2015) 'Africa: On the Rise, But to Where?', *Forum for Social Economics*, 44(3), pp. 234–250.
- Ochonu, M.E. (2020) *African Entrepreneurship: The Fetish of Personal Responsibility*. Available at: <http://roape.net/2020/05/26/african-entrepreneurship-the-fetish-of-personal-responsibility> [Accessed 26 October 2020].
- Okorafor, N. (2014) *Lagoon*. London: Hodder & Stoughton.
- Okorafor, N. (2020) 'Africanfuturism Defined', in Talabi, W. (ed.) *Africanfuturism: An Anthology*. E-book: Brittle Paper: n.p.
- Omole, B. (2019) *Start-up Blazes Kenya's Path To Fourth Industrial Revolution*. Available at: <http://www.gearbox.co.ke/stories/2019/6/26/start-up-blazes-kenyas-path-to-fourth-industrial-revolution?fbclid=IwAR0JB Dvgfju8y2GzRUiiVWNi98ByO3gltdnLgF7wbJi-skOwYX7WCwFLA78> [Accessed September 2, 2019].
- Ondeng, P. (2015) *Yes, Kenya is on the Move to Prosperity*. Available at: <http://www.nation.co.ke/oped/opinion/Yes-Kenya-is-on-the-move-to-prosperity/440808-2814714-15fvuhiz/index.html> [Accessed May 12, 2020].

- Otieno, D. (2019) What Needs to Change with M-Pesa in 2020. Available at: <https://tech-ish.com/2019/12/28/mpesa-2020> [Accessed May 12, 2020].
- Ouma, S. (2012) "Markets in the Making": Zur Ethnographie alltäglicher Marktkonstruktionen in organisationalen Settings', *Geographica Helvetica*, 67(4), pp. 203–211.
- Ouma, S. (2016) Capitalism in Africa – A Critique of Critical Political Economy. Available at: <https://roape.net/2016/10/19/capitalism-africa-critique-radical-political-economy> [Accessed October 26, 2020].
- Ouma, S. (2020) 'Africapitalism' and the Limits of any Variant of Capitalism. Available at: <http://roape.net/2020/07/16/africapitalism-and-the-limits-of-any-variant-of-capitalism> [Accessed October 26, 2020].
- Ouma, S., Stenmanns, J. and Verne, J. (2019) 'African Economies: Simply Connect? Problematizing the Discourse on Connectivity in Logistics and Communication', in Graham, M. (ed.) *Digital Economies at Global Margins*. Cambridge: MIT Press, pp. 341–363.
- Parke, P. (2016) More Africans Have Access to Cell Phone Service than Piped Water. Available at: <https://edition.cnn.com/2016/01/19/africa/africa-afro-barometer-infrastructure-report/index.html> [Accessed May 12, 2020].
- Pearson, B.A.J. and Avle, S. (2016) Chasing the "Bottom Billion": Tech Companies and the Selling of Global Connectivity. Available at: http://www.researchgate.net/profile/Seyram_Avle/publication/315377681_Chasing_the_Bottom_Billion_Tech_companies_and_the_selling_of_global_connectivity/links/58cd89f34585157b6dae6743/Chasing-the-Bottom-Billion-Tech-companies-and-the-selling-of-global-connectivity.pdf [Accessed June 12, 2020].
- Pedwell, C. and Whitehead, A. (2012) 'Affecting Feminism: Questions of Feeling in Feminist Theory', *Feminist Theory*, 13(2), pp. 115–129.
- Pelz, D. (2019) Deutscher Afrika-Preis 2019 an Juliana Rotich verliehen. Available at: <http://www.dw.com/de/deutscher-afrika-preis-2019-an-juliana-rotich-verliehen/a-50956507> [Accessed May 10, 2020].
- Peppler, K., Halverson, E. and Kafai, Y.B. (eds.) (2016) *Makeology: Makerspaces as Learning Environments* (Volume 1). New York and Oxon: Routledge.
- Pfeiffer, S. (2017) 'The Vision of "Industrie 4.0" in the Making – A Case of Future Told, Tamed, and Traded', *Nanoethics*, 11, pp. 107–121.
- Philip, K. (2016) 'Telling Histories of the Future: The Imaginaries of Indian Technoscience', *Identities*, 23(3), pp. 276–293.
- Philip, K., Irani, L. and Dourish, P. (2012) 'Postcolonial Computing: A Tactical Survey', *Science, Technology, & Human Values*, 37(1), pp. 3–29.

- Pickering, A. (1995) *The Mangle of Practice: Time, Agency, and Science*. Chicago and London: The University of Chicago Press.
- Pike, A. (2009) 'Geographies of Brands and Branding', *Progress in Human Geography*, 33(5), pp. 619–645.
- Pile, S. (2010) 'Emotions and Affect in Recent Human Geography', *Transactions of the Institute of British Geographers*, 35(1), pp. 5–20.
- Pinel, C., Prainsack, B. and McKevitt, C. (2020) 'Caring for Data: Value Creation in a Data-intensive Research Laboratory', *Social Studies of Science*, 50(2), pp. 175–197.
- Poggiali, L. (2016) 'Seeing (from) Digital Peripheries: Technology and Transparency in Kenya's Silicon Savannah', *Cultural Anthropology*, 31(3), pp. 387–411.
- Pollio, A. (2020) 'Making the Silicon Cape of Africa: Tales, Theories and the Narration of Startup Urbanism', *Urban Studies*, 57(13), pp. 2715–2732.
- Prahalad, C.K. (2006) *The Fortune at the Bottom of the Pyramid: Eradicating Poverty through Profits*. Upper Saddle River: Wharton School Publishing.
- Pratt, G. (2009) 'Circulating Sadness: Witnessing Filipina Mothers' Stories of Family Separation', *Gender, Place & Culture*, 16(1), pp. 3–22.
- Precarias a la deriva (2014) "Was ist dein Streik?" – Militante Streifzüge durch die Kreisläufe der Prekarität. Wien: transversal texts.
- Price, L. and Hawkins, H. (eds.) (2018) *Geographies of Making, Craft and Creativity*. London: Routledge.
- Price, P.L. (2010) 'Cultural Geography and the Stories We Tell Ourselves', *Cultural Geographies*, 17(2), pp. 203–210.
- PricewaterhouseCoopers LLP (2009) *From Champion for Digital Inclusion: The Economic Case for Digital Inclusion*. Available at: http://parliamentandinternet.org.uk/wp-content/uploads/Final_report.pdf [Accessed August 12, 2019].
- PSCU (2021) *Google Unveils A 10 Million Dollar Grant To Support Kenya's Post Covid-19 Recovery*. Available at: <http://www.president.go.ke/2021/01/28/google-unveils-a-10-million-dollar-grant-to-support-kenyas-post-covid-19-recovery> [Accessed February 8, 2021].
- Puig de la Bellacasa, M. (2011) 'Matters of Care in Technoscience: Assembling Neglected Things', *Social Studies of Science*, 41(1), pp. 85–106.
- Puig de la Bellacasa, M. (2012) "'Nothing Comes Without its World": Thinking with Care', *The Sociological Review*, 60(2), pp. 197–216.

- Pye, D. (2010) 'The Nature and Art of Workmanship', in Adamson, G. (ed.) *The Craft Reader*. Oxford and New York: Berg Publishers, pp. 341–353. (Original work published 1968 by Cambridge University Press).
- Radelet, S. (2010) 'Success Stories from "Emerging Africa"', *Journal of Democracy*, 21(4), pp. 87–101.
- Radjou, N. and Prabhu, J. (2015) *Frugal Innovation: How to do Better with Less*. Gurgaon and London: Hachette India and The Economist.
- Radjou, N., Prabhu, J. and Ahuja, S. (2012) *Jugaad Innovation: Think Frugal, Be Flexible, Generate Breakthrough Growth*. San Francisco: Jossey-Bass.
- Rahnema, M. and Bawtree, V. (1997) *The Post-Development Reader*. London: Zed Books.
- Rajão, R., Duque, R.B. and De', R. (2014) 'Introduction: Voices from Within and Outside the South – Defying STS Epistemologies, Boundaries, and Theories', *Science, Technology, & Human Values*, 39(6), pp. 767–772.
- Ramos, E.G. (2017) Kenya Industry and Entrepreneurship (P161317): Project Information Document/Integrated Safeguards Data Sheet. Washington DC: the World Bank Group Available at: <http://documents.worldbank.org/curated/en/938311504009462057/Concept-Integrated-Safeguards-Data-Sheet-Integrated-Safeguards-Document-Kenya-Industry-and-Entrepreneurship-P161317> [Accessed October 21, 2019].
- Ratto, M. (2011) 'Critical Making: Conceptual and Material Studies in Technology and Social Life', *The Information Society*, 27, pp. 252–260.
- Robinson, C.J. (2021) *Black Marxism: The Making of the Black Radical Tradition*. Chapel Hill: University of North Carolina Press. (Original work published 1983).
- Rosati, C. (2007) 'Media Geographies: Uncovering the Spatial Politics of Images', *Geography Compass*, 1(5), pp. 995–1014.
- Rose, G. (1997) 'Situating Knowledges: Positionality, Reflexivities and Other Tactics', *Progress in Human Geography*, 21(3), pp. 305–320.
- Rostow, W.W. (1990) *The Stages of Economic Growth: A Non-Communist Manifesto*. Cambridge, New York and Melbourne: Cambridge University Press: (Original work published 1960).
- Rudnyckij, D. and Schwittay, A. (2014) 'Afterlives of Development', *PoLAR: Political and Legal Anthropology Review*, 37(1), pp. 3–9.
- Ruto, W.S. (2017) 05 April. Available at: <https://twitter.com/WilliamsRuto/status/849565695046299654> [Accessed November 27, 2020].

- Ryan, M.-L. (2007) 'Toward a Definition of Narrative', in Herman, D. (ed.) *The Cambridge Companion to Narrative*. Cambridge: Cambridge University Press, pp. 22–35.
- Rybak, A. (2019) Hier liegt das Zentrum von Afrikas boomender Techszenne. Available at: <http://www.capital.de/wirtschaft-politik/afrikas-techszenne> [Accessed May 10, 2020].
- Said, E.W. (1979) *Orientalism*. New York: Vintage Books. [Original work published 1978].
- Sanderson, O.M. (2015) On Hubs, BRCKs, and Boxes: The Emergence of Kenya's Innovation and Technology Ecosystem. The Fletcher School of Law and Diplomacy. Available at: <https://dl.tufts.edu/pdfviewer/92903bo11/fn1079440> [Accessed July 17, 2021].
- Saxenian, A.L. (1996) *Regional Advantage: Culture and Competition in Silicon Valley and Route 128*. Cambridge and London: Harvard University Press.
- Schiølin, K. (2019) 'Revolutionary Dreams: Future Essentialism and the Sociotechnical Imaginary of the Fourth Industrial Revolution in Denmark', *Social Studies of Science*, 50(4), pp. 1–25.
- Schmitz, S. and Ahmed, S. (2014) 'Affect/Emotion: Orientation Matters: A Conversation between Sigrid Schmitz and Sara Ahmed', *Freiburger Zeitschrift für GeschlechterStudien*, 20(2), pp. 97–108.
- Schoonhoven, C.B. and Romanelli, E. (2001) *The Entrepreneurship Dynamic: Origins of Entrepreneurship and the Evolution of Industries*. Stanford: Stanford University Press.
- Schubert, C. (2018) 'Frankreich setzt auf einen Aufschwung in Afrika', *Frankfurter Allgemeine Zeitung*. 8 May, 2018 (106), p. 18.
- Schurr, C. and Strüver, A. (2016) "'The Rest": Geographien des Alltäglichen zwischen Affekt, Emotion und Repräsentation', *Geographica Helvetica*, 71, pp. 87–97.
- Schurr, C. and Verne, J. (2017) 'Wissenschaft und Technologie im Zentrum der Geographischen Entwicklungsforschung', *Geographische Zeitschrift*, 105(2), pp. 125–144.
- Schwab, K. (2016) *The Fourth Industrial Revolution: What it Means, How to Respond*. Available at: <http://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond> [Accessed November 25, 2020].
- Schwittay, A. (2011) 'The Marketization of Poverty', *Current Anthropology*, 52(3), pp. 71–82.

- Schwittay, A. (2014) 'Designing Development: Humanitarian Design in the Financial Inclusion Assemblage', *Political and Legal Anthropology Review*, 37(1), pp. 29–47.
- Schwittay, A. and Braund, P. (2017) 'Iterate, Experiment, Prototype', in Collier, S.J., Cross, J., Redfield, P. and Street, A. (eds.) *Limn 9: Little Development Devices / Humanitarian Goods*. Available at: <https://limn.it/articles/iterate-experiment-prototype> [Accessed April 11, 2020].
- Science Buddies (2021) How to Use a Breadboard. Available at: <http://www.sciencebuddies.org/science-fair-projects/references/how-to-use-a-breadboard> [Accessed May 13, 2021].
- Scott, J.C. (1989) 'Everyday Forms of Resistance', *The Copenhagen Journal of Asian Studies*, 4, pp. 33–62.
- Scott-Smith, T. (2016) 'Humanitarian Neophilia: The 'Innovation Turn' and its Implications', *Third World Quarterly*, 37(12), pp. 2229–2251.
- Sennett, R. (2008) *The Craftsman*. New Haven and London: Yale University Press.
- Shapshak, T. (2015) Why Kenyan Tech Entrepreneurs Deserve All Obama's Praise. Available at: <http://www.forbes.com/sites/tobyshapshak/2015/07/29/why-kenyan-tech-entrepreneurs-deserve-all-obamas-praise> [Accessed August 30, 2019].
- Shapshak, T. (2017) How Kenya's SupaBRCK Aims To Solve Africa's Internet Problems. Available at: <http://www.forbes.com/sites/tobyshapshak/2017/03/07/how-kenyas-supabrck-aims-to-solve-africas-internet-problems/2/#1a7ad1221270> [Accessed April 25, 2020].
- Sheppard, E. (2002) 'The Spaces and Times of Globalization: Place, Scale, Networks, and Positionality', *Economic Geography*, 78(3), pp. 307–330.
- Simakova, E. (2013) *Marketing Technologies: Corporate Cultures and Technological Change*. Oxon and New York: Routledge.
- Sivek, S.C. (2011) "'We Need a Showing of All Hands": Technological Utopianism in MAKE Magazine', *Journal of Communication Inquiry*, 35(3), pp. 187–209.
- Slaby, J. (2018) 'Drei Haltungen der Affect Studies', in Pfaller, L. and Wiese, B. (eds.) *Stimmungen und Atmosphären: Zur Affektivität des Sozialen*. Wiesbaden: Springer VS, pp. 53–81.
- Slater, D. (2014) 'Modernity under Construction: Building the Internet in Trinidad', in Misa, T.J., Brey, P. and Feenberg, A. (eds.) *Modernity and Technology*. Cambridge and London: MIT Press, pp. 139–160.
- Smith, A., Hielscher, S., Dickel, S., Söderberg, J. and van Oost, E. (2013) *Grassroots Digital Fabrication and Makerspaces: Reconfiguring, Relocating and*

- Recalibrating Innovation? University of Sussex: Science and Technology Policy Research, Working Paper Series SWSP 2013–02.
- Smith, J.H. (2022) *The Eyes of the World: Mining the Digital Age in the Eastern DR Congo*. Chicago and London: University of Chicago Press.
- Sommer, R. (2007) 'Contextualism Revisited: A Survey (and Defence) of Post-colonial and Intercultural Narratologies', *Journal of Literary Theory*, 1(1), pp. 61–79.
- Sørensen, B.M. (2008) "Behold, I am Making All Things New": The Entrepreneur as Savior in the Age of Creativity', *Scandinavian Journal of Management*, 24, pp. 85–93.
- Speich, D. (2009) 'The Kenyan Style of "African Socialism": Developmental Knowledge Claims and the Explanatory Limits of the Cold War', *Diplomatic History*, 33(3), pp. 449–466.
- Squire, C., Andrews, M. and Tamboukou, M. (2013) 'Introduction: What is Narrative Research?', in Andrews, M., Squire, C. and Tamboukou, M. (eds.) *Doing Narrative Research* (second edition). London, Thousand Oaks, New Delhi, Singapore, Washington DC: SAGE Publications, pp. 1–26.
- Staeheli, L.A. and Lawson, V.A. (1995) 'Feminism, Praxis, and Human Geography', *Geographical Analysis*, 27(4), pp. 321–338.
- Star, S.L. (1999) 'The Ethnography of Infrastructure', *American Behavioral Scientist*, 43(3), pp. 377–391.
- Star, S.L. (2002) 'Infrastructure and Ethnographic Practice: Working on the Fringes', *Scandinavian Journal of Information Systems*, 14(2), pp. 107–122.
- Star, S.L. and Strauss, A. (1999) 'Layers of Silence, Arenas of Voice: The Ecology of Visible and Invisible Work', *Computer Supported Cooperative Work*, 8(1-2), pp. 9–30.
- Statista (2020) *Share of Global Production in China in 2018, by Selected Industry*. Available at: <http://www.statista.com/statistics/1106909/china-global-production-share-by-industry> [Accessed June 26, 2021].
- Statista (2022) *Real Gross Domestic Product (GDP) Growth Rate in Africa from 2010 to 2027*. Available at: <http://www.statista.com/statistics/1300818/real-gdp-growth-rate-in-africa> [Accessed March 21, 2023].
- Statista (2023a) *M-Pesa Customer Numbers from 2017 to 2022*. Available at: <http://www.statista.com/statistics/1139190/m-pesa-customer-numbers> [Accessed March 14, 2023].

- Statista (2023b) Safaricom M-Pesa revenue generated from FY 2010 to FY 2021. Available at: <http://www.statista.com/statistics/1139160/safaricom-m-pesa-revenue-historical> [Accessed March 14, 2023].
- Steyaert, C. (2007) 'Of Course, That is not the Whole (Toy) Story: Entrepreneurship and the Cat's Cradle', *Journal of Business Venturing*, 22, pp. 733–751.
- Steyaert, C. and Katz, J. (2004) 'Reclaiming the Space of Entrepreneurship in Society: Geographical, Discursive and Social Dimensions', *Entrepreneurship & Regional Development*, 16, pp. 179–196.
- Suarez-Villa, L. (2001) 'The Rise of Technocapitalism', *Science Studies*, 14(2), pp. 4–20.
- Suchman, L. (2007) *Human-Machine Reconfigurations: Plans and Situated Actions* (second edition). New York: Cambridge University Press.
- Suchman, L. (2009) *Agencies in Technology Design: Feminist Reconfigurations*. Available at: <http://www.lancaster.ac.uk/fass/resources/sociology-online-papers/papers/suchman-agenciessnodesign.pdf> [Accessed July 30, 2021].
- Swainson, N. (1976) *The Role of the State in Kenya's Post-War Industrialisation*. Working Paper No. 275 of the Institute for Development Studies. Nairobi: University of Nairobi.
- Takhteyev, Y. (2012) *Coding Places – Software Practice in a South American City*. Cambridge and London: MIT Press.
- Tamboukou, M. (2013) 'Foucauldian Approach to Narratives', in Andrews, M., Squire, C. and Tamboukou, M. (eds.) *Doing Narrative Research* (second edition). London, Thousand Oaks, New Delhi, Singapore and Washington DC: SAGE Publications, pp. 88–107.
- Taylor, A. (2011) 'Out There', *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, pp. 685–694.
- Taylor, I. (2016) 'Dependency Redux: Why Africa is Not Rising', *Review of African Political Economy*, 43(147), pp. 8–25.
- TED (n.d.) Erik Hersman. Available at: http://www.ted.com/speakers/erik_hersman [Accessed February 10, 2021].
- The Economist (2011) Africa rising. Available at: <https://www.economist.com/leaders/2011/12/03/africa-rising> [Accessed November 11, 2017].
- The Economist (2016) Mobile Phones are Transforming Africa. Available at: <http://www.economist.com/middle-east-and-africa/2016/12/10/mobile-phones-are-transforming-africa> [Accessed May 12, 2020].
- The Lemelson Foundation (2014) *The Lemelson Foundation Funds Establishment of Pre-eminent Design and Prototyping Facility in East Africa*. Avail-

- able at: <http://www.lemelson.org/resources/news/lemelson-foundation-funds-establishment-pre-eminent-design-and-prototyping-facility> [Accessed July 5, 2017].
- The Rotary Water Barrel Project (2016) 14 June. Available at: <https://twitter.com/TheRotaryBarrel/status/742699337625538564> [Accessed June 13, 2020].
- Thien, D. (2005) 'After or Beyond Feeling? A Consideration of Affect and Emotion in Geography', *Area*, 37(4), pp. 450–456.
- Thrift, N. (2003) 'Practising Ethics', in Pryke, M., Rose, G. and Whatmore, S. (eds.) *Using Social Theory: Thinking through Research*. London, Thousand Oaks and New Delhi: SAGE Publications, pp. 105–121.
- Tolia-Kelly, D.P. (2006) 'Affect: An Ethnocentric Encounter? Exploring the "Universalist" Imperative of Emotional/Affectual Geographies', *Area*, 38(2), pp. 213–217.
- Toombs, A., Bardzell, S. and Bardzell, J. (2014) 'Becoming Makers: Hackerspace Member Habits, Values, and Identities', *Journal of Peer Production*, 5, n.p.
- Trenk, M. (1991) "'Dein Reichtum ist dein Ruin" – Zum Stand der Forschung über afrikanische Unternehmer und wirtschaftliche Entwicklung', *Anthropos*, 86, pp. 501–516.
- Tristl, C. (2020) 'Automatic Water Dispensers? The Private Sector as Development Agent and the Marketization of Water at the "Bottom of the Pyramid"', PhD Thesis, Department of Human Geography, Goethe University, Frankfurt.
- Tristl, C. (2023) 'Financializing Water Service Provision with Digital Devices: Pro-commercialization Alliances and the "Exclusive Inclusion" of the Unbankable in Mathare, Nairobi', *Globalizations*. Available at: [10.1080/14747731.2023.2187560](https://doi.org/10.1080/14747731.2023.2187560).
- Tsing, A. (2000) 'The Global Situation', *Cultural Anthropology*, 15(3), pp. 327–360.
- Turkle, S. and Papert, S. (1990) 'Epistemological Pluralism: Styles and Voices within the Computer Culture', *Signs: Journal of Women in Culture and Society*, 16(1), pp. 128–157.
- Turner, F. (2006) *From Counterculture to Cyberculture: Stewart Brand, the Whole Earth Network, and the Rise of Digital Utopianism*. Chicago: University of Chicago Press.
- UNICEF (n.d.) *Innovation Portfolios*. Available at: <http://www.unicef.org/innovation/innovation-portfolios> [Accessed April 21, 2021].

- UNICEF Innovation Fund (2021) Apply for UNICEF's Innovation Fund. Available at: <http://www.unicefinnovationfund.org/apply/unicef-innovation-fund-opportunity-tech-startups> [Accessed April 21, 2021].
- United Nations (2014) Secretary-General Praises Kenya's iHub as Continent's 'Silicon Savannah', Future of Africa. Available at: <http://www.un.org/press/en/2014/sgsm16300.doc.htm> [Accessed May 12, 2020].
- Ushahidi (2020) About Ushahidi. Available at: <http://www.ushahidi.com/about> [Accessed May 12, 2020].
- van Eeden, J. (2004) 'The Colonial Gaze: Imperialism, Myths, and South African Popular Culture', *Design Issues*, 20(2), pp. 18–33.
- Vannini, P. (2015) 'Non-representational Ethnography: New Ways of Animating Lifeworlds', *Cultural Geographies*, 22(2), pp. 317–327.
- Verne, J. (2014) 'Neue Netze, neue Räume? Mobiltelefonie in Afrika', *Geographische Rundschau*, 6, pp. 42–47.
- Vision 2030 Delivery Secretariat (n.d.) Available at: <http://vision2030.go.ke/> [Accessed August 12, 2019].
- Vossoughi, S. and Bevan, B. (2014) Making and Tinkering: A Review of the Literature. Successful Out-of-School STEM Learning: A Consensus Study, Board on Science Education, National Research Council. Available at: http://sites.nationalacademies.org/cs/groups/dbassesite/documents/webpage/dbasse_089888.pdf [Accessed July 26, 2017].
- Wajcman, J. (2006) 'TechnoCapitalism Meets TechnoFeminism: Women and Technology in a Wireless World', *Labour & Industry*, 16(3), pp. 7–20.
- Waldby, C., Wakeford, N. and Green, N. (2006) 'Feminist Technoscience: Intimacy, Embodiment and Abjection in Science Studies', *Science Studies*, 19(2), pp. 3–5.
- Walton, P. (2014) The Case for Engineering the BRCK in Africa – Part 2. BRCK Blog. Available at: <http://www.brck.com/?p=285> [Accessed April 25, 2020].
- Wan, E. (2019) 'Labour, Mining, Dispossession: On the Performance of Earth and the Necropolitics of Digital Culture', *International Journal of Performance Arts and Digital Media*, 15(3), pp. 249–263.
- Weber, J. (2007) 'Einführung – Feministische STS', in Bauer, S., Heinemann, T. and Lemke, T. (eds.) *Science and Technology Studies: Klassische Positionen und aktuelle Perspektiven*. Berlin: Suhrkamp, pp. 339–368.
- WebJunction (2019) Digital Inclusion. Available at: <http://www.webjunction.org/explore-topics/digital-inclusion.html> [Accessed August 12, 2019].
- Wenten, K-A. (2019) 'Controlling Labor in Makeathons. On the Recuperation of Emancipation in Industrial Labor Processes', in Meyer, U., Schaupp, S.

- and Seibt, D. (eds.) *Digitalization in industry. Between Emancipation and Domination*. London: Palgrave McMillan, pp. 153–177.
- Wetherell, M. (2012) *Affect and Emotions. A New Social Science Understanding*. London: SAGE Publications.
- Williams, L.D.A. (2018) 'Mapping Superpositionality in Global Ethnography', *Science, Technology, & Human Values*, 43(2), pp. 198–223.
- Winschiers-Theophilus, H. and Bidwell, N.J. (2013) 'Toward an Afro-Centric indigenous HCI Paradigm', *International Journal of Human-Computer Interaction*, 29(4), pp. 243–255.
- Woods, J. (2020) 'On Contemporary Speculative Short Fiction in Southern Africa', *Scrutiny*, 25(3), pp. 36–48.
- Woods, J. (2021) *The Transcendence of Boundaries*. Available at: <https://africascountry.com/2021/03/the-transcendence-of-boundaries> [Accessed July 2, 2021].
- Woolgar, S. (2004) 'Marketing Ideas', *Economy and Society*, 33(4), pp. 448–462.
- World Population Review (2021) *Most Technologically Advanced Countries 2021*. Available at: <https://worldpopulationreview.com/country-rankings/most-technologically-advanced-countries> [Accessed June 26, 2021].
- Wynne, B., Felt, U., Callon, M., Gonçalves, M.E., Jasanoff, S., Jepsen, M., Joly, P.-B., Konopasek, Z., May, S., Neubauer, C., Rip, A., Siune, K., Stirling, A. and Tallacchini, M. (2007) *Taking European Knowledge Society Seriously. Report of the Expert Group on Science and Governance to the Science*. Brussels: Directorate-General for Research, Science, Economy and Society, European Commission.
- Young, R.J.C. (2001) *Postcolonialism: An Historical Introduction*. Malden, Oxford and Victoria: Blackwell Publishing.
- Zanoni, P., Thoelen, A. and Ybema, S. (2017) 'Unveiling the Subject Behind Diversity: Exploring the Micro-politics of Representation in Ethnic Minority Creatives' Identity Work', *Organization*, 24(3), pp. 330–354.
- Zoran, A. and Buechley, L. (2013) 'Hybrid Reassemblage: An Exploration of Craft, Digital Fabrication and Artifact Uniqueness', *Leonardo*, 46(1), pp. 4–10.

