**Infrastructure and Social Compexity: A Routledge Companion**

1. “Introduction”, Penny Harvey, Casper Bruun Jensen & Atsuro Morita

**Section 1: Development Infrastructures**

*This section explores the complex relations between infrastructure, development and modernization in contexts from agriculture to the building of roads and houses. Key issues covered include the temporality of infrastructural form and the linear topos of the history of development infrastructures; the promise of infrastructural transformation; and the framing of post-war infrastructures by strategic military and economic intervention. The papers draw out discussions of state infrastructures and their vulnerabilities, infrastructural spectacle and opacity, and questions of contested expertise.*

2. “Keyword: The rise of infrastructure in development discourse and practice”, Ashley Carse

3. “Surveying the Future Perfect: Anthropology, Development and the Promise of Infrastructure”, Kregg Hetherington

4. “Containment and Disruption: the illicit economies of infrastructural investment”, Penny Harvey

5. “Infrastructure reform in Indigenous Australia: from mud to mining to military empires”, Tess Lea

6. “Becoming a City: Infrastructural Fetishism and Scattered Urbanization in Vientiane, Laos”, Miki Namba

**Section 2: Urban Infrastructures**

*This section engages with the infrastructures of urban life looking at water supply, transportation, architecture and waste disposal. The chapters focus on indeterminacies and the ways in which life (human and other-than-human) is sustained in and through the infrastructural gaps of urban systems. They also look at how urban space and urban subjects are shaped in and through infrastructural relations.*

7. Anand “On Pressure and the Political Technologies of Water Supply”, Nikhil Anand

8. “Infrastructuring new urban common worlds? On material politics, civic attachments, and partially existing wind turbines”, Anders Blok

9. “Remediating Infrastructure: Tokyo’s Commuter Train Network and the Margin of Indeterminacy”, Michael Fisch

10. “The Generic City: Examples from Jakarta, Indonesia, and Maputo, Mozambique”, Morten Nielsen and AbdouMaliq Simone

11. “Ecologies in beta: the city as infrastructure of apprenticeships”, Alberto Corsin-Jimenez & Adolfo Estalella

**Section 3: Energy Infrastructures**

*This section examines on-going changes in local and global energy infrastructures in response to climate change -- from experiments with sustainable energy to contemporary practices of geo-thermal and oil extraction. Key issues include a focus on modes of action (and inaction) as variously enabled and disabled by knowledge infrastructures. The agency of material forces and the gaps and indeterminacies within and between relational systems are also explored.*

12. “Protesting Infrastructures: More-Than-Human Ethnography in Seismic Landscapes”, James Maguire & Brit Ross Winthereik

13. “Infrastructure and the Earth”, Andrew Barry.

14. “Revolutionary Infrastructure”, Dominic Boyer

15. “Off the Grid: Relational Infrastructures For Energy Beyond the Mains”, Jamie Cross & Alice Street

**Section 4: Environmental Infrastructures**

*This section examines ‘natural’ infrastructural settings: places and systems where the technological and the biological operate together to provide ecosystems services, whether in the form of fields, forests, deltas, or sewage sludge. The chapters explore the relation between planned infrastructural intervention and environmental response exploring emergent forms via an interrogation of infrastructural ecologies.*

16. “From Mechanical Basin to Amphibious Urbanscape: Between Infrastructure and Science in the Chao Phraya Delta, Thailand”, Atsuro Morita

17. “Forest as Infrastructure: Revisioning Energy in the Post-Industrial Japan”, Shiho Satsuka

18. “Multinatural Infrastructure: The Many Natures and Cultures of Phnom Penh’s Sewage Systems”, Casper Bruun Jensen

19. “Burial and Resurrection in the Anthropocene: Infrastructures of Waste”, Myra J. Hird

20. “Developing good GM crops – Infrastructures of evidence”, Sandra Calkins & Richard Rottenburg

**Section 5: Figuring Infrastructures**

*This section examines the infrastructural work of entities that are not habitually considered in these terms: lists, archives, borders, and social categories are entities that have infrastructural effects. The chapters explore the how these entities are integral to administrative infrastructures of control creating discernable discontinuities within systems, generating uncertainty and drawing attention to the disordering and indeterminate outcomes of infrastructural systems.*

21. “When Infrastructures Fail: an ethnographic note in the middle of an Aegean crisis”, Sarah Green

22. “Infrastructure as Gesture”, Gisa Weszkalnys

23. “The Black List: On Infrastructural Indeterminacy and its Reverberations”, Madeleine Reeves.

24. “Infrastructural Inversion and Reflexivity: “Postcolonial” Biodiversity Databasing Project in India”, Moe Nakazora

25. "Survivals as Infrastructure: 21st Century Struggles with Household and Family in Formal Computations”, Jane Guyer.

**Section 6: Information Infrastructures**

*This section explores issues surrounding information infrastructures: from questions of their invisibility and their politics, to their relations to emergent forms of knowing and experience. Beyond exploring all that is qualitatively new in a world of high speed digital connectivity, the papers explore responses to issues of scale and algorithmic agency.*

26. “The Problem of Action: Infrastructure, Planning and the Informational Environment”, Hannah Knox .

27. “Downscaling: From Global to Local in the Climate Knowledge Infrastructure” Paul Edwards

28. “How Knowledge Infrastructures Learn”, Geoff C. Bowker

29. “Full-stack infrastructures: combinatorial delirium in code repositories” Adrian Mackenzie

30. “Invisible Information Infrastructures: Problems of Scale vs. Structure”, Sarah Kember