

PETTER TÖRNBERG, PHD

EDUCATION

PhD	Chalmers University of Technology, Sweden. Computational Social Science. Dissertation: “Worse than Complex” Committee: David Byrne. Supervisors: Claes Andersson, David A Lane, Kristian Lindgren	2012-2017
MS	Chalmers University of Technology, Sweden Engineering Physics/Complex Adaptive Systems	2010-2011
BS	Chalmers University of Technology, Sweden Computer Science	2008-2010

MAJOR RESEARCH GRANTS

NWO VENI. “Seeing the city through digital platforms”. (VI.Veni.201S.006) Individual grant. Studying how cities are represented on digital platforms.	2021 to 2025
EU-H2020. “ODYCCEUS”. (no. 732942) Co-author. Political polarization and cultural conflict through digital data.	2016 to 2021
Swedish Research Council. (no. 2016-03515) Co-author. Dynamics of racist discursive change in online social media.	2016 to 2020
EU FP7-FET. “Emergence by Design” (MD). (no. 284625) Co-author. Social complexity, sociotechnical change and sustainability.	2011 to 2016

RESEARCH EXPERIENCE

Chalmers University of Technology, Gothenburg Postdoc, Complex Systems Mapping cultural/political conflict through digital data. ODYCCEUS H2020.	2019 to <i>current</i>
University of Amsterdam, Amsterdam Affiliated, Urban Geography	2019 to <i>current</i>
University of Amsterdam, Amsterdam Postdoc, Sociology Cultural conflict through digital data. ODYCCEUS H2020.	2017 to 2019
University of Amsterdam / Center of Urban Studies, Amsterdam Postdoc, Sociology Postdoc position at Center of Urban Studies.	2017 to 2018
University of Gothenburg, Gothenburg Researcher, Sociology. 10% Studying the extreme right on social media	2017 to 2019
European Center of Living Technology, Venice, Italy. Research assistant, Sociology. 10% Studying sociotechnical change and innovation.	2011 to 2012

PH.D. STUDENTS

Anna Keuchenius, University of Amsterdam. Sociology. Thesis on cultural diffusion and contention in social networks.	2017 to 2020
Livia van Vliet, University of Amsterdam. Sociology. Thesis on elite political polarization on Twitter.	2017 to 2020

LANGUAGE SKILLS

Swedish:	Mother tongue	English:	Fluent (C2)
Spanish:	Proficient (C1)	German:	Proficient (C1)
Italian:	Independent (B2)	Dutch:	Independent (B2)
Portuguese:	Independent (B2)		

SELECTED PUBLICATIONS

JOURNAL PUBLICATIONS

- 1 **2021** Keuchenius, A. Törnberg, P, Uitermark, J. *How Communities Mediate the Diffusion of New Ideas: a Computational Case Study on the Spread of Granovetter's Weak Ties Hypothesis*. Forthcoming.
- 2 **2020** van Vliet, L. Törnberg, P, Uitermark, J. *The Twitter Parliamentarian Database: Facilitating the analysis of Twitter politics within and across 26 countries*. PLOS1. <https://doi.org/10.1371/journal.pone.0237073>.
- 3 **2020** Törnberg, P. and Uitermark, J. *Complex control and the governmentalities of digital platforms*. Frontiers of Sustainable Cities. 2: 6. <https://doi.org/10.3389/frsc.2020.00006>
- 4 **2020** Törnberg, P. and Chiappini, L. *Selling black places on Airbnb: Colonial discourse and the marketing of black communities in New York City*. Environment and Planning A: Economy and Space. <https://doi.org/10.1177/0308518X19886321>
- 5 **2019** Törnberg, P. *Dark Disneyfication: Staging Authenticity on Airbnb*. Center of Urban Studies Working Paper Series, WPS-No. 41.
- 6 **2019** Giabbanelli, J. P., Castellani, B. Törnberg, P. and Voinov, A. *Ideal, best and emerging practices in creating artificial societies*. SpringSim-ANSS.
- 7 **2019** Andersson, C. Törnberg, P. *Toward a Macroevolutionary Theory of Human Evolution: The Social Protocell*. Biological Theory.
- 8 **2018** Törnberg, P. *Echo Chambers and Viral Misinformation: Modeling Fake News as Complex Contagion*. PLOS1.
- 9 **2018** Törnberg, P. *Complex Realist Economics: A Common Ontology for an Interested Pluralism*. Review of Social Economy.
- 10 **2018** Törnberg P. Törnberg A. *Big Data and the Limits of Complexity*. Big Data & Society
- 11 **2018** Andersson C. and Törnberg P. *Wickedness and the Anatomy of Complexity*. Futures.
- 12 **2016** Törnberg A. Törnberg P. *Modeling Free Social Spaces - Diffusion of Complex Contention*. Social Movement Studies.
- 13 **2016** Törnberg A, Törnberg P. *Muslims in Social Media Discourse: Combining Topic Modeling and Critical Discourse Analysis*. Discourse, Context and Media
- 14 **2016** Törnberg A, and Törnberg P. *Combining CDA and Topic Modeling: analyzing discursive connections between islamophobia and anti-feminism on an online forum*. Discourse and Society
- 15 **2016** Andersson C., Törnberg P. *Fidelity and the speed of the Treadmill - the combined impact of population size, transmission fidelity and selection on cultural cumulativity*. American Antiquity.
- 16 **2014** Andersson C., Törnberg A. and Törnberg P. *An evolutionary developmental approach to cultural evolution*. Current Anthropology.
- 17 **2014** Andersson C., Törnberg A. and Törnberg P. *Societal Systems - Complex or Worse?* Futures.

BOOK CHAPTERS

- 18 **2020** Törnberg, P. *Short-Term Rental Platforms: Home-sharing or sharewashed neoliberalism?* The Modern Guide to the Urban Sharing Economy. Edward Elgar Publishing. T. Sigler and J. Corcoran (eds.) Forthcoming.
- 19 **2019** Törnberg, P. and Törnberg, A. *Minding the gap between culture and connectivity: laying the foundations for a mixed-methods social network analysis* in "Mixed Methods Social Network Analysis: Theories and Methodologies in Learning and Education", Dominik Froehlich (ed.)
- 20 **2019** Andersson, C. Törnberg, A. Törnberg P. *Wicked systems and the friction between "old theory and new data" in biology, social science and archaeology* in "Beyond the Meme: Development and Structure in Cultural Evolution", Alan C. Love and William C. Wimsatt, (eds.)
- 21 **2018** Chiappini, L. and Törnberg, P. *Deus ex machina: makerspaces in Milan and their transformative potential* in "The Production of Alternative Urban Spaces". Routledge.

PUBLICATIONS UNDER REVIEW

- 22 **2020** Törnberg P, Andersson C., Banisch S., Lindgren K. *From opinion to identity dynamics – Modeling the emergence of affective polarization.*
- 23 **2020** van Vliet, L. Törnberg, P, Uitermark, J. *Lijphart on Twitter: Alliances and divides among political parties in 20 countries.*
- 24 **2020** Törnberg, A., Törnberg, P. *Negotiating reality: the construction of threats and opportunities in the extreme right*
- 25 **2020** Törnberg, P. *Airbnb and the Marketing of Authenticity.*
- 26 **2020** Törnberg, P. Abhimanyu, S. *Understanding the Opioid Epidemic through the Multi-Level Perspective.*
- 27 **2020** Törnberg, P. *Polarization; or the political logic of late capitalism?*
- 28 **2020** Törnberg, P., Uitermark, J. *Tweeting ourselves to death: Public discourse in the age of social media*
- 29 **2020** Törnberg, P., Uitermark, J. *Urban mediatization and planetary gentrification: The rise and fall of Rio de Janeiro favela Vidigal*
- 30 **2020** Törnberg, P., Uitermark, J. *For a Heterodox Computational Social Science*