

# TED HSUAN YUN CHEN

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GitHub: [tedhchen](https://github.com/tedhchen)      Twitter: [tedhchen](https://twitter.com/tedhchen)
- ACADEMIC POSITIONS**      Postdoctoral Researcher Faculty of Social Sciences, University of Helsinki, August 2019–  
Postdoctoral Researcher, Department of Computer Science, Aalto University, August 2019–
- AFFILIATIONS**      Helsinki Institute of Sustainability Science, University of Helsinki, October 2020–
- EDUCATION**      Ph.D. Political Science, Pennsylvania State University, 2019  
Dissertation: *Multilayer Networks in Political Science: Development and Applications of Novel Methods for International Cooperation and Conflict*.  
Committee: Bruce Desmarais (chair), Xun Cao, Diane Felmlee, and Douglas Lemke  
M.A. Asia Pacific Policy Studies, University of British Columbia, 2012  
B.A. Sociology, McGill University, 2009
- PUBLICATIONS**      PEER-REVIEWED JOURNAL ARTICLES  
Christian S. Schmid, **Ted Hsuan Yun Chen**, and Bruce A. Desmarais. Conditionally Accepted. “Generative Dynamics of Supreme Court Citations: Analysis with a New Statistical Network Model.” *Political Analysis*.  
**Ted Hsuan Yun Chen**. 2019. “Statistical Inference for Multilayer Networks in Political Science.” *Political Science Research and Methods* 1-18 (online first).  
**Ted Hsuan Yun Chen**, Tzu-Ping Liu, and Chung-li Wu. 2014. “Policy-Balancing and Ticket-Splitting: Problems with “Preference for Checks and Balances” in Taiwanese Electoral Studies.” *Japanese Journal of Political Science* 15(2): 317-337.  
Justine Chen, **Ted Hsuan Yun Chen**, Ilan Vertinsky, Lilia Yumagulova, and Chansoo Park. 2013. “Public-Private Partnerships for the Development of Disaster Resilient Communities.” *Journal of Contingencies and Crisis Management* 21(3): 130-143.  
PEER-REVIEWED PROCEEDINGS  
Mitchell Goist, **Ted Hsuan Yun Chen**, and Christopher Boylan. 2019. “Reconstructing and Analyzing the Transnational Human Trafficking Network.” In *Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*.  
**Ted Hsuan Yun Chen**, Paul Zachary, and Christopher J. Fariss. 2017. “Social Activity Hubs: Estimating User Specific Contextual Factors From Social Media Data.” In *Proceedings of the 2017 International Conference of The Computational Social Science Society of the Americas*.  
OTHER PUBLICATIONS (EDITOR-REVIEWED)  
**Ted Hsuan Yun Chen** and Chung-li Wu. 2016. “Cross-Strait Relations as an ‘Easy Issue’: China’s Impact on Evidence Provision in Negative Political Campaigning in Taiwan.” In *Taiwan and the ‘China Impact’: Challenges and Opportunities*, ed. Gunter Schubert, Oxon, UK: Routledge.

**Ted Hsuan Yun Chen.** Sept. 9 2010. “Analysis of the Cross-Strait Economic Cooperation Framework Agreement between Taiwan and China.” *Asia Pacific Memo* #19.

**IN PROGRESS**

UNDER REVIEW (\* = graduate student coauthor)

**Ted Hsuan Yun Chen** and Chung-li Wu. “Elephant in the Room? Assessing the 2005 Taiwanese Electoral Reform in Reducing Vote-Buying and Local Factional Politics.” *Revise and Resubmit at Asian Survey*

**Ted Hsuan Yun Chen**, Ali Salloum\*, Antti Gronow, Tuomas Ylä-Anttila, and Mikko Kivelä. “Polarization of Climate Politics Results from Partisan Sorting: Evidence from Finnish Twitter-sphere.” *Under Review*

**Ted Hsuan Yun Chen.** “Informal Diplomacy Reinforces Formal International Cooperation: Evidence from Track Two Diplomacy.” *Under Review*

Yan Xia\*, **Ted Hsuan Yun Chen**, and Mikko Kivelä. “Spread of Tweets in Climate Discussions.” *Under Review*

WORKING PAPERS

“The Effect of Disaster-induced Displacement on Social Behaviour: The Case of Hurricane Harvey.” (With C.J. Fariss and X. Xu)

“Transnational Scientific Communities Facilitate Cooperation in the International Nuclear Regime: Evidence from the Pugwash Movement.”

“Common Network Polarization Measures Find Polarization in Random Networks.” (With M. Kivelä and A. Salloum\*)

“Exposure to Discretionary Arrests increases Support for Anti-Police Protests.” (With C.J. Fariss and P. Zachary)

OTHER WORKS IN PROGRESS

“Climate Activism in Polarized Networked Communities: A Social Network Experiment.” (With M. Kivelä, V. Saarinen, and T. Ylä-Anttila)

“The Importance of Local Identities in Overcoming Political Polarization on Climate Change.” (With C.J. Fariss, H. Shin\*, and X. Xu)

“Long-term Data Collection via Twitter’s Filter Stream API with Automated Query Expansion: Application to Climate Politics.”

“The Impact of Anti-trafficking laws on Transnational Human Trafficking Networks.” (With O. Koren, C. Boylan, and M. Goist)

**SOFTWARE**

**Ted Hsuan Yun Chen.** 2020. *multilayer.ergm: Exponential Random Graph Models for Multilayer Networks*. R package version 0.2.0. [github.com/tedhchen/multilayer.ergm](https://github.com/tedhchen/multilayer.ergm)

**TEACHING AND MENTORSHIP**COURSE INSTRUCTOR

- Climate Change and Social Outcomes (Graduate, University of Helsinki), Spring 2021
- Collecting and Analyzing Social Media Data (Graduate, Aalto University), Winter 2019
- Independent Studies on Political Violence and Gender (Undergraduate, Penn State), Spring 2019
- Independent Studies on Political Assassinations (Undergraduate, Penn State), Spring 2018
- Teacher at Kaplan Test Prep (Vancouver, Canada), 2009–2010

MASTER'S THESIS ADVISING

- Ali Salloum, *Aalto University, in progress*
- Ville Saarinen, *Aalto University, in progress*

OTHERS

- Advanced Research Design (Undergraduate, Penn State), Course Designer
- Introduction to International Relations (Undergraduate, Penn State), Teaching Assistant for E. Henderson, Fall 2014, Fall 2017

**GRANTS AND AWARDS**EXTERNAL GRANTS

2018-2021 Quasi-Experiment on the Effect of Disaster-induced Displacement (SES: 1760644), National Science Foundation (US). Participating Investigator, with Principal Investigator C.J. Fariss (University of Michigan). \$92,681.

OTHER AWARDS

2019 Travel Grant. Society of Political Methodology.

2019 Jesse M. MacKnight Memorial Graduate Scholarship. Department of Political Science, Pennsylvania State University.

2019 RGSO Dissertation Support. College of the Liberal Arts, Pennsylvania State University.

2018 Travel Grant. International Studies Association.

2016-2017 Program in Empirical International Relations Predoctoral Research Fellowship. Department of Political Science, Pennsylvania State University.

2016 Graduate Summer Research Award. Department of Political Science, Pennsylvania State University.

2015 Prestage-Cook Travel Award. Southern Political Science Association.

2015 Peter Schallmoser Award. Department of Political Science, Pennsylvania State University.

2014 Graduate Summer Research Award. Department of Political Science, Pennsylvania State University.

2013-2018 Graduate Scholarship Top-off Award. College of the Liberal Arts and Department of Political Science, Pennsylvania State University.

2013 Graduate Scholar Start-up Award. Department of Political Science, Pennsylvania State University.

**RECENT PRESENTATIONS**

“Polarization of Climate Politics Results from Partisan Sorting: Evidence from Finnish Twitter-sphere.” Political Communication Networks, Netsci2020 Satellite Workshop, Online, Sep 2020.

“Polarization of Climate Change Politics During Finland’s 2019 Parliamentary Elections: Evidence from Twitter.” Workshop on Comparing Climate Change Policy Networks, University of Bern, Oct 2019.

“Reconstructing and Analyzing the Transnational Human Trafficking Network.” (With Mitchell Goist and Christopher Boylan.) IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, Vancouver, Aug 2019.

“Transnational Scientific Communities Facilitate Cooperation in the International Nuclear Regime: Evidence from the Pugwash Movement.”

- Society for Political Methodology Meeting, MIT, Jul 2019.
- Political Networks Conference, Duke University, Jun 2019.
- International Studies Association Convention, Toronto, Apr 2019; San Francisco, Apr 2018.

“The Effect of Disaster-induced Displacement on Social Behaviour: The Case of Hurricane Harvey.”

- Midwest Political Science Association Convention, Chicago, Apr 2019.
- Toronto Political Behaviour Workshop, Toronto, Sep 2018.

“Inferential Analysis of the Supreme Court Citation Network.” (With Christian Schmid, Bruce Desmarais, and David Hunter.) American Political Science Association Meeting, Boston, Aug 2018.

“Statistical Inference for Multilayer Networks in Political Science.”

- Society for Political Methodology Meeting, Brigham Young University, Jul 2018.
- Political Networks Conference, George Mason University, Jun 2018.

“Social Activity Hubs: Estimating User Specific Contextual Factors from Social Media Data.” (With Paul Zachary and Christopher Fariss.) International Conference of the Computational Social Science Society of the Americas, Santa Fe, Oct 2017.

“Formal and Informal Diplomacy in the Asia Pacific Region, 1993-2008.” American Political Science Association Meeting, San Francisco, Aug 2017.

“Who Protests? Using Social Media Data to Solve Ecological Inference Problems in Studies of Mass Behavior.” (With Chris Fariss and Paul Zachary.)

- Midwest Political Science Association Convention, Chicago, Mar 2017.
- Southern Political Science Association, New Orleans, Jan 2017.

## SERVICE

### EXTERNAL

Reviewer: *American Journal of Political Science*, *Public Opinion Quarterly*, *Social Networks*

Program Committee: Advances in Social Network Analysis and Mining 2020 (Multidisciplinary Track)

### INTERNAL

- Master’s Thesis Grader, 2020, Faculty of Social Sciences, University of Helsinki
- Graduate Mentor, 2017-2018, Department of Political Science, Penn State
- Graduate Recruitment Panel, 2016, 2017, Department of Political Science, Penn State
- Graduate Exhibition Judge, 2015, Penn State
- Graduate Conference Organizing Committee, 2010, Institute of Asian Research, UBC

## SKILLS AND LANGUAGES

Software and Programming: R, Python,  $\LaTeX$

Languages: English, Chinese