# Ted Hsuan Yun Chen

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**ACADEMIC POSITIONS**

George Mason University

Assistant Professor, Department of Environmental Science and Policy          2022–

Previous Positions

Postdoctoral Researcher, Faculty of Social Sciences, University of Helsinki          2019–2022

Postdoctoral Researcher, Department of Computer Science, Aalto University          2019–2022

**AFFILIATIONS**

Helsinki Institute of Sustainability Science, University of Helsinki          2020–

Climate Social Science Network, Brown University          2021–

**EDUCATION**

Ph.D. Political Science, Pennsylvania State University, 2019

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. 2022. "Generative Dynamics of Supreme Court Citations: Analysis with a New Statistical Network Model." *Political Analysis* 30(4): 515-534.

**Ted Hsuan Yun Chen** and Boyoon Lee. 2022. "Income-based Inequality in Post-disaster Migration is Lower in High Resilience Areas: Evidence from U.S. Internal Migration." *Environmental Research Letters* 17: 034043.

**Ted Hsuan Yun Chen**, Ali Salloum*, Antti Gronow, Tuomas Ylä-Anttila, and Mikko Kivelä. 2021. "Polarization of Climate Politics Results from Partisan Sorting: Evidence from Finnish Twittersphere." *Global Environmental Change* 71: 102348.

**Ted Hsuan Yun Chen** and Chung-li Wu. 2021. "The Elephant in the Voting Booth?: Assessing the Effect of the 2005 Taiwanese Electoral Reform in Reducing Vote-Buying and Local Factional Politics." *Asian Survey* 61(4): 641-662.

Yan Xia*, **Ted Hsuan Yun Chen**, and Mikko Kivelä. 2021. "Spread of Tweets in Climate Discussions: A Case Study of the 2019 Nobel Peace Prize Announcement." *Nordic Journal of Media Studies* 3: 96-117.

**Ted Hsuan Yun Chen**. 2021. "Statistical Inference for Multilayer Networks in Political Science." *Political Science Research and Methods* 9(2): 380-397.

**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.

\* = graduate student coauthor

PEER-REVIEWED PROCEEDINGS

Yan Xia*, **Ted Hsuan Yun Chen**, and Mikko Kivelä. 2022. "Limits of Multilayer Diffusion Network Inference in Social Media Research." *Proceedings of the International AAAI Conference on Web and Social Media*, 16(1), 1145-1156.

Ali Salloum*, **Ted Hsuan Yun Chen**, and Mikko Kivelä. 2022. "Separating Polarization from Noise: Comparison and Normalization of Structural Polarization Measures." *Proceedings of the ACM on Human-Computer Interaction* 6, CSCW1: 115.

Mitchell Goist, **Ted Hsuan Yun Chen**, and Christopher Boylan. 2019. "Reconstructing and Analyzing the Transnational Human Trafficking Network." *Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining.*

**Ted Hsuan Yun Chen**, Paul McLachlan, and Christopher J. Fariss. 2017. "Social Activity Hubs: Estimating User Specific Contextual Factors From Social Media Data." *Proceedings of the 2017 International Conference of The Computational Social Science Society of the Americas.*

OTHER PUBLICATIONS (TECHNICAL REPORTS, POLICY BRIEFS, BOOK CHAPTERS)

Yan Xia*, Antti Gronow, Anna Kukkonen, **Ted Hsuan Yun Chen**, and Mikko Kivelä. 2021. *Botit ja informaatiovaikuttaminen Twitterissä vuoden 2021 kuntavaaleissa - ELEBOT-2021-hanke.* [Bots and information manipulation on Twitter in the 2021 municipal elections.] Aalto University.

**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.

**WORKING PAPERS**

Hasti Narimanzadeh*, Arash Badie-Modiri*, Iuliia Smirnova*, and **Ted Hsuan Yun Chen**. "Crowdsourcing Subjective Annotations using Pairwise Comparisons Reduces Bias and Error Compared to the Majority-vote Method." *Under review*

**Ted Hsuan Yun Chen**, Christopher J. Fariss, and Xu Xu. "Climate Disasters Mobilize the Rich and Suppress the Poor: Voter Turnout Post-Harvey."

Sonja Savolainen*, Ville P. Saarinen*, and **Ted Hsuan Yun Chen**. "How Police Repression Shapes Social Movements Online: Evidence from Climate Activists in Finland."

**Ted Hsuan Yun Chen**, Christopher J. Fariss, Hwayong Shin*, and Xu Xu. "Disaster Experience Mitigates the Partisan Divide on Climate Change: Evidence from Texas."

Arttu Malkamäki, **Ted Hsuan Yun Chen**, Antti Gronow, Mikko Kivelä, Juho Vesa, and Tuomas Ylä-Anttila. "Complex Coalitions: Building Political Alliances across Relational Contexts."

**Ted Hsuan Yun Chen**, Paul McLachlan, and Christopher J. Fariss. "Exposure to Discretionary Arrests increases Support for Anti-Police Protests."

**Ted Hsuan Yun Chen**. "Informal Diplomacy Reinforces Formal International Cooperation: Evidence from Track Two Diplomacy."

**Ted Hsuan Yun Chen**. "Transnational Scientific Communities Facilitate Cooperation in the International Nuclear Regime: Evidence from the Pugwash Movement."

\* = graduate student coauthor

**In Progress**

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

"Modeling Belief Systems Surrounding Fairness in Climate Migration."

"Combined Topic and Stance Detection Model for Climate Tweets." (With H. Celikkanat, M. Kivelä, T. Ylä-Anttila, and Y. Xia*)

"Public Response to Climate Science during the COVID-19 Pandemic." (With A. Badie-Modiri*, H. Narimanzadeh*, and I. Smirnova*)

"Effects of Climate Change on Diffusion of Transnational Human Trafficking." (With O. Koren and S.-C. Wang*)

**Mentorship**

<u>Ph.D. Supervision</u> ([†] = chair)

Ramji Venkatachari. In progress. George Mason University.[†]

Hasti Narimanzadeh. In progress. Aalto University.

<u>Master's Thesis Supervision</u>

Anniina Penttilä. In progress. University of Helsinki.

Ville P. Saarinen. 2022. *kMMI: Minimization of Intergroup Interference in Networked Experiments.* M.Sc. Aalto University.

Rico Pircklén. 2021. *Quantification of Change in Online Activity Patterns through the Course of the COVID-19 Pandemic.* M.Sc. Aalto University.

Yan Xia. 2021. *Inferring Multilayer Spreading Networks in Online Social Media.* M.Sc. Aalto University.

Ali Salloum. 2021. *Quantifying Polarization in Social Networks.* M.Sc. Aalto University.

**Teaching**

<u>Course Instructor</u>

· Research Design for Environmental Social Science (Graduate, George Mason University), Fall 2022
· Global Climate Governance (Graduate, University of Helsinki), Spring 2021, Spring 2022
· Applied Data Science for Policy Research (Graduate, Aalto University), Spring 2021
· Collecting and Analyzing Social Media Data (Graduate, Aalto University), Winter 2019
· Political Assassinations (Undergraduate, Penn State), Spring 2018, Spring 2019

<u>Curriculum Development</u>

· Research Design for Environmental Social Science (Graduate, George Mason University)
· Global Climate Governance (Graduate, University of Helsinki)
· Applied Data Science for Policy Research (Graduate, Aalto University)
· Collecting and Analyzing Social Media Data (Graduate, Aalto University)
· Political Assassinations (Undergraduate, Penn State)
· Advanced Research Design (Undergraduate, Penn State)

<u>Others</u>

· Exponential Family Random Graph Modeling with R, Workshop Instructor, Political Networks Conference, Jun 2021, Jun 2022
· CodeRefinery Workshop on Scientific Computing, Exercise Leader, May 2021

* = graduate student coauthor

·Introduction to International Relations (Undergraduate, Penn State), Teaching Assistant
  for E. Henderson, Fall 2014, Fall 2017
·Teacher at Kaplan Test Prep (Vancouver, Canada), 2009–2010

**GRANTS &**      GRANTS
**AWARDS**

2022-2024. HELSUS Postdoctoral Researcher Funding: *Modeling Belief Systems Surrounding Fairness in Climate Migration Using Network Science.* Helsinki Institute of Sustainability Science, University of Helsinki. Principal Investigator. €120,000 (declined 75%).

2021. HSSH Catalyst Grant: *Crowdsourced Labelling for Climate Tweets.* Helsinki Institute for Social Sciences and Humanities, University of Helsinki. Principal Investigator, with Co-PIs H. Celikkanat and T. Ylä-Anttila. €10,000.

2018-2022. RAPID: *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.

AWARDS

2021. Best Conference Paper Award ("Polarization of Climate Politics Results from Partisan Sorting: Evidence from Finnish Twittersphere"). Political Networks Section, American Political Science Association.

2019. RGSO Dissertation Support. College of the Liberal Arts, Pennsylvania State University. $5,000.

2019. Jesse M. MacKnight Memorial Graduate Scholarship. Department of Political Science, Pennsylvania State University. $1,500.

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

2016. Summer Graduate Research Award. Department of Political Science, Pennsylvania State University. $3,500.

2015. Peter Schallmoser Award. Department of Political Science, Pennsylvania State University. $2,500.

2014. Summer Graduate Research Award. Department of Political Science, Pennsylvania State University. $3,500.

**SOFTWARE**      **Ted Hsuan Yun Chen** [aut, cre]. 2021. *multilayer.ergm: Exponential Random Graph Models for Multilayer Networks.* R package v0.2.1. github.com/tedhchen/multilayer.ergm

Christian S. Schmid [aut, cre], **Ted Hsuan Yun Chen** [aut], and Bruce A. Desmarais [aut]. 2020. *cERGM: A package to fit citation Exponential Random Graph Models.* R package v1.0.0. github.com/schmid86/cERGM

**TALKS**      INVITED TALKS

"Climate Disasters Mobilize the Rich and Suppress the Poor: Voter Turnout Post-Harvey." The Society, Culture, and Environment Seminar Series, George Mason University. Oct 2022.

"Partisanship and Polarization in Climate Politics: Evidence from Social Media Analysis." Mathematics Applications Consortium for Science and Industry Seminar, Department of Mathematics and Statistics, University of Limerick. May 2022.

"How Police Repression Shapes Social Movements Online: Climate Protests in Finland." World Politics Research Seminar, Department of Political Science, Indiana University Bloomington. Apr 2022.

"Activism and Contestations over Climate Politics in Online Space." Helsinki Institute for Social Sciences and Humanities Interdisciplinary Brown Bag, Online. Nov 2021.

"Twitter Data for Climate Governance Research: Overview and Examples." Comparing Climate Change Policy Networks Meeting, Online. May 2021.

"Polarization of Climate Change Politics During Finland's 2019 Parliamentary Elections: Evidence from Twitter." (With A. Gronow.) Workshop on Comparing Climate Change Policy Networks, University of Bern. Oct 2019.

RECENT CONFERENCE PARTICIPATION

"Climate Disasters Mobilize the Rich and Suppress the Poor: Voter Turnout Post-Harvey." American Political Science Association Annual Meeting, Montreal, Sep 2022.

"Disaster Experience Mitigates the Partisan Divide on Climate Change: Evidence from Texas." American Political Science Association Annual Meeting, Montreal, Sep 2022.

"Do Social Movements Adapt to Offline Repression by using Social Media? Evidence from Police Repression of Climate Protesters in Finland." (With V.P. Saarinen and S. Savolainen.)
·American Political Science Association Annual Meeting, Montreal, Sep 2022.
·International Studies Association Convention, Nashville, Apr 2022.
·European Consortium for Political Research General Conference, Online, Aug 2021.
·Political Networks Conference, Online, Jul 2021.

"Does the Perceived Threat of Extreme Weather Drive Internal Migration? Evidence from U.S. National and State Levels." (With B. Lee.)
·American Political Science Association Annual Meeting, Seattle, Sep 2021.
·European Consortium for Political Research General Conference, Online, Aug 2021.
·Political Networks Conference, Online, Jul 2021.

"Polarization of Climate Politics Results from Partisan Sorting: Evidence from Finnish Twittersphere." Political Communication Networks, Netsci2020 Satellite Workshop, Online, Sep 2020.

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

"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.

**PUBLIC ENGAGEMENT**

"Disaster-trapped Populations." Presentation and Panel Discussion, *Intersectional Climate Justice: Calls to Action.* Mason Exhibitions Arlington, Arlington. Sep 24, 2022.

**SERVICE**

EXTERNAL

Journal Reviewer: *American Journal of Political Science*; *Environmental Research Letters*; *Nature Climate Change*; *PLOS ONE*; *Politics, Groups, and Identities*; *Public Opinion Quarterly*; *Scientific Reports*; *Social Networks*

Grants & Awards Reviewer:
·2022 Best Conference Paper Award Committee, Political Networks Section, APSA
·Wellcome Trust (Discretionary Award, Jan 2022)

Program Committee Member:
- Political Networks Conference 2021
- Advances in Social Network Analysis and Mining (Multidisciplinary Track) 2020

### George Mason University

- Committee on Committees, 2022, Department of Environmental Science and Policy
- Seminar Committee, 2022, Department of Environmental Science and Policy

### Prior Internal Service

- Master's Thesis Grader, 2020, 2021, 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 & Languages**

Software and Programming: R, Python, Git, LaTeX

Languages: English, Mandarin Chinese

Last updated Sep 26, 2022.