

JEFFERY SHIH-CHIEH WANG

PHD CANDIDATE · INTERNATIONAL POLITICAL ECONOMY, COMPLEX NETWORKS & INTERNATIONAL ORGANIZATIONS

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Education

Indiana University Bloomington

Indiana, United States

PH.D., INFORMATICS AND POLITICAL SCIENCE (*NSF-NRT: Interdisciplinary Dual PhD Program in Complex Networks and Systems*)

June 2026 (Expected)

- Co-chair: Staša Milojević
- Co-chair: Ore Koren
- Sarah Bauerle Danzman
- Filippo Radicchi
- William Winecoff (External Mentor, Non-Committee)
- **Dissertation:** *Strategic Alignments of Non-Binding Intergovernmental Cooperation: Networked Co-sponsorship in APEC*

National Taiwan University

Taipei, Taiwan

M.A., POLITICAL SCIENCE (*International Relations*)

June, 2010

- Advisor: Tze-Luen Lin
- Shih-Min Chen
- Ching-Chane Hwang (National Sun Yat-sen University)
- **Thesis:** *Gender Perspectives on Environmental Security: The Case of The Kyoto Protocol*

Chinese Culture University

Taipei, Taiwan

B.A., POLITICAL SCIENCE

June, 2006

Job Market Paper

TITLE:

Relational Strategic Alignments and the Sustained Cooperation of Non-Binding IGOs: The Case of APEC

ABSTRACT

Nonbinding intergovernmental organizations (IGOs) are often viewed as fragile because they lack enforcement mechanisms with limited bureaucratic capacity. Yet organizations such as the Asia Pacific Economic Cooperation (APEC) continue to generate sustained cooperation despite skepticism about IGO governance. This study explains the puzzle by arguing that nonbinding IGOs remain effective because cooperation is driven by relational strategic alignments where selective and issue-specific ties emerge from embedded network structures rather than formal commitments. Using temporal exponential random graph models (TERGM) on APEC's project co sponsorship networks from 2006 to 2019, the analysis shows that cooperation is shaped by strong friend of friend clustering, demonstrating that states expand collaboration through relational pathways and through alignment shaped by existing ties. These dynamics vary across issue areas. In high politics domains, closure through shared partners reflects material, institutional, or reputational advantages. In low politics areas such as SME, cooperation is broadly inclusive. Material capability creates only a modest hierarchical pull, while privilege based on reputation or expertise attracts partners without reinforcing strict hierarchy. Together, these processes reproduce a broader pattern in APEC in which many members participate only occasionally, a few economies regularly anchor the cooperation of others, and collaboration gravitates toward influential actors. This reflects a clear pattern of strategic bandwagoning, where weaker members

align through relational ties rather than formal rules. The findings show that nonbinding IGOs remain effective not in spite of their flexible design but because they enable relational and strategic cooperation that endures even under geopolitical pressure.

Publications

REFERRED & JOURNAL ARTICLES

Wang, Jeffery Shih-Chieh. 2014. "The perspective and outlook of tertiary education considering the development of Taoyuan Aerotropolis project and Free Economic Pilot Zones Program in Taiwan". *Taiwan Economic Research Monthly* 2: 31-36. (in Chinese).

MANUSCRIPTS UNDER REVIEW

Chen, Ted Hsuan Yun, **Jeffery Shih-Chieh Wang**, and Ore Koren. 2025. "Legal Institutions and Human Trafficking in a Shifting Climate." *International Studies Quarterly* (Revise & Resubmit). Preprint: <https://doi.org/10.31235/osf.io/94wxa>

Wang, Jeffery Shih-Chieh. 2025. "Relational Strategic Alignments and the Sustained Cooperation of Non-Binding IGOs: The Case of APEC" (Job Market Paper).

BOOK

Lai, Ying-Chieh, Tsai-Wei Tseng, **Jeffery Shih-Chieh Wang**, Yao Hsiao, Wei-Ting Hsu, Chung-You Huang, Pi-Chung Han, and Wei-Lun Ko. 2016. *Illustrating Political Science*. Second Edition. Y Po Shi Press: Taipei. (in Chinese).

WORK IN PROGRESS

"Technical Cooperation or Hub-and-Spoke? Examining the Strategic Alignment Structure of the ISO Cooperation Network." (with Jiun-Da Lin)

Although the International Organization for Standardization (ISO) is typically understood as a platform for technical coordination, this project shows that its cooperative structure also reflects strategic patterns of influence. We argue that geopolitical competition shapes participation in international standardization, producing selective and uneven alignment across Technical Committees. Our analysis reveals a core group—China, Germany, the United Kingdom, France, Japan, the United States, and Russia—that disproportionately drives ISO cooperation. Sectoral inequality varies, and collaboration clusters into distinct blocs. China consistently ranks among the top five leaders across both highly unequal and more inclusive sectors, while the United States appears only intermittently. Moreover, China and the United States head separate coalitions rather than jointly leading within the same cluster, underscoring the strategic nature of alignment in global standard-setting.

"Strategic Participation in APEC: A Mechanism-Focused, Process-Tracing Case Study"

This mechanism-oriented, process-tracing case study examines how APEC member economies strategically engage with and influence policy processes through network interactions. By integrating qualitative process evidence with quantitative network measures, the study aims to reveal the underlying logic of informal cooperation and participation effectiveness.

"Policies diffuse across IGOs using multilayer networks"

This project investigates how policy practices diffuse across international organizations such as APEC and the WTO through multilayer network structures. By tracing cross-institutional policy flows, it seeks to uncover the mechanisms of interaction between regimes and their implications for regional and global governance.

Data Collection Project: Relational datasets for non-binding IGOs to enable comparative institutional research
This data collection project aims to collect high-quality network dataset of non-binding intergovernmental organizations to facilitate systematic empirical analysis of institutional linkages. The data infrastructure will be progressively expanded to other types of IGOs, enabling comparative studies of inter-institutional relations and networked governance.

“Modeling IGO Agency through Hypergraph and Bipartite Network Analysis”

Using advanced network methodologies such as hypergraph and bipartite network analysis, this study conceptualizes international organizations, member states, and issue clusters as interdependent actors. It explores how institutional agency emerges through their co-constitutive interactions, advancing theoretical understanding of power distribution and dynamic governance in global institutions.

“Evaluating Taiwan’s Endeavor in APEC under The Political Challenges from China: A Complex Network Perspective” (Preprint).
SocArXiv: <https://doi.org/10.31235/osf.io/kg3r7>.

Presentations

CONFERENCE PRESENTATIONS

Lin, Jiun-Da and **Jeffery Shih-Chieh Wang** (co-first authors). 2025. “Technical Cooperation or Hub-and-Spoke? Examining the Strategic Alignment Structure of the ISO Cooperation Network”. 2025 American Political Science Association Annual Conference, September 10 – 15. Vancouver

Wang, Jeffery Shih-Chieh. 2025. “Strategic Alignments of Non-Binding IGO Cooperation: Networked Co-Sponsorship in APEC.” Presented at the 2025 American Political Science Association Annual Meeting, September 10–15, Vancouver, Canada. Also presented at the 2025 PolNet Annual Conference, August 13–15, Harvard University, MA.

Wang, Jeffery Shih-Chieh. 2025. “Quiet Diplomacy of Non-Binding Intergovernmental Cooperation: Networked Co-sponsorship in APEC”. 2025 Midwest Political Science Association Annual Conference, April 3 – 6. Chicago, IL

Wang, Jeffery Shih-Chieh. 2024. “Explaining the Policies Overlap across APEC and UN General Assembly: A Complex Network Perspective on Cross-IGO State Collaboration”. 2024 International Studies Association (ISA) Annual Meeting, April 2 – 6. San Francisco, CA

Chen, Ted Hsuan Yun, **Jeffery Shih-Chieh Wang**, and Ore Koren. 2024. “Legal Institutions and Human Trafficking in a Shifting Climate”. 2024 International Studies Association (ISA) Annual Meeting, April 2 – 6. San Francisco, CA. Coauthors: Ted Hsuan Yun Chen and Ore Koren

Chen, Ted Hsuan Yun, **Jeffery Shih-Chieh Wang**, and Ore Koren. 2023. “Legal Institutions, Climate Change, and Human Trafficking”. 2023 American Political Science Association (APSA) Annual Meeting, August 31 – September 3. Los Angeles, CA.

Wang, Jeffery Shih-Chieh. 2023. “Evaluating Taiwan’s Endeavor in APEC under The Political Challenges from China: A Complex Network Perspective”. North American Taiwan Studies Association (NATSA) 28th Annual Conference, June 22 -24. UC Irvine, CA. Preprint

Wang, Jeffery Shih-Chieh. 2022. “Explaining the Overlap of Policies and Membership among IGOs and the Dynamics of International Policy Agendas Flow: A Multiplex Network Perspective”. 79th Annual Conference of Midwest Political Science Association (MPSA), April 7th – 10th. Chicago.

Wang, Jeffery Shih-Chieh. 2021. “Assessing the Link Between Nonaggression Pact Formation and Violent Repression”. 2021 American Political Science Association (APSA) Annual Meeting, September 30 – October 3. Seattle, Washington. Coauthor: Jerry Urtuzuastigui

- Wang, Jeffery Shih-Chieh. 2021. "Intergovernmental Organizations as a Forum for Political Network Building: The Case of the Asia-Pacific Economic Cooperation". 14th Annual Political Networks Conference and Workshops (extended format), June 14- July 23. Virtual.
- Wang, Jeffery Shih-Chieh. 2021. "Intergovernmental Organizations as a Forum for Political Network Building: The Case of the Asia-Pacific Economic Cooperation". Annual Conference of Midwest Political Science Association (MPSA), April 14-18, Virtual.
- Wang, Jeffery Shih-Chieh. 2020. Paper accepted), "Network Dynamics and International Cooperation within Intergovernmental Organizations (IGOs)". 78th Annual Conference of Midwest Political Science Association (MPSA), April 16-19, Chicago, IL, USA (conference cancelled due to covid-19).
- Wang, Jeffery Shih-Chieh. 2017. "Complex Negotiations and Decision-Making Process in the Context of APEC: Insights from Agent-Based Modelling (ABM)", Paper presented at 49th Annual Conference of Northeastern Political Science Association (NPSA), November 9-11, Philadelphia, PA, USA.
- Wang, Jeffery Shih-Chieh. 2010. "From Kyoto to Post-Kyoto: A Gender Perspective on Environmental Security." Paper presented at the annual meeting of the 3rd International Study Association, June, at NCCU, Taipei (in Chinese).
- Wang, Jeffery Shih-Chieh. 2008, "A preliminary study of International Environmental Regime: Environmental Security and its Regime." Paper presented at the meeting of the 6th Graduate Students Publication, June, at NCCU, Taipei (in Chinese).

INVITED TALKS

- August 13, 2025. *Taiwan's Unofficial Diplomacy in APEC: A Complex Network Perspective*. Invited talk: Global Taiwan Institute (GTI), Washington, D.C.
- Summer 2024. *Understanding APEC Co-sponsorship Cooperation from A Complex Network Lens*. Invited talk: Taiwan Institute of Economic Research, Taipei, Taiwan.
- Summer 2024. *Policy Recommendations for Taiwan's Participation in the Asia-Pacific Economic Cooperation (APEC): A Complex Network Perspective*. Invited talk: Graduate Institute of National Development, Taipei, Taiwan.
- Spring 2015. *Introduction of APEC BCP Guideline*. Invited talk: Seminar of Business Continuity Planning (BCP). Held by MSIG Mingtai Insurance, Tainan, Taiwan.
- Fall 2014. *Improving Natural Disaster Resilience of APEC SMEs to Facilitate Trade and Investment*. Invited talk: APEC Workshop on Advancing APEC REI in the GVC Era. Held by Bureau of Trade of Taiwan, The Howard Plaza Hotel, Taipei, Taiwan.

Professional Experience

- 2025 **Instructor of Record**, Indiana University Bloomington
- **INFO-I123 Data Fluency** (Fall 2025), **Teaching Evaluation**
- 2022 – 2025 **Associate Instructor**, Indiana University Bloomington
- **INFO-I123: Data Fluency** (Fall 2022, Fall 2023, Fall 2024, Spring 2025), Instructor: Samantha Wood
 - Facilitated classroom instruction and hands-on activities; Advised students on software tools, programming, and data analysis; Designed of grading rubrics and evaluated student assignments and exams
 - **POLS-Y205: Analyzing Politics** (Spring 2024), Instructor: Nicolas Bichay
 - Facilitated class activities; Advised students on research design in political questions; Grading exams and assignments
 - **INFO-I101: Introduction to Informatics** (Spring 2023), Instructor: Chase McCoy
 - Led group discussion graded assignments; Supervised undergraduate teaching assistants
 - **POLS-Y364: International Organization** (Spring 2022), Instructor: Ore Koren
 - Delivered guest lectures; Assisted with grading assignments and exams

- 2023 **Instructor of Record**, Indiana University Bloomington
- **POLS-Y346 Politics of Global Governance** (Summer 2023, Online), **Teaching Evaluation**
- 2020 - 2021 **Graduate Research Assistant (Part-time)**, Hamilton Lugar School, Indiana University Bloomington
- Gathering academic literature, government documents, and writing research memos regarding Taiwan's foreign relations
- 2013–2016 **Project Manager & Assistant Research Fellow**, Taiwan Institute of Economic Research
- APEC SME Working Group coordinator for Taiwan.
 - Policy research and negotiation support on Asia-Pacific Economic Cooperation (APEC) affairs.
 - Research on technological innovation policy, startup ecosystems, and international cooperation on Business Continuity Planning (BCP).
- 2013 **Project Manager**, National Science and Technology Council of Taiwan
- Research Project: Sustainability Literacy Assessment Taiwan
 - Hosting focus group meetings, interviews, creating survey questions, survey pre-test
- 2012 - 2013 **Research Assistant**, National Central University of Taiwan
- Research Project: Opportunities and Challenges of CO2 Reduction and Energy Saving Practice in Two Educational Contexts
- 2010 - 2012 **Research Fellow**, Lawlove Non-profit Corporation
- International Law Research, Political Campaign
- 2007 - 2009 **Graduate Research Assistant**, National Taiwan University
- Deliberate Democracy, Project on Promoting the Establishment of a World Environmental Organization, Science of Science on Climate Change Policies

Research Experience

Indiana University Bloomington - Dept of Political Science

Bloomington, IN

Co-ADVISORS: DR. WILLIAM WINECOFF & DR. ORE KOREN

Fall 2021

- Independent Research: "International Organizations"

Indiana University Bloomington - Dept of Informatics

Bloomington, IN

ADVISOR: DR. STAŠA MILOJEVIĆ

Summer 2020

- Research Rotation: "Exponential Random Graph Models (ERGMs)"

Indiana University Bloomington - Dept of Political Science

Bloomington, IN

ADVISORS: DR. WILLIAM WINECOFF

Fall 2019

- Research Rotation: "Complex Network and International Negotiation"

Awards, Fellowships, & Grants

2025–2026	Taiwanese Overseas Pioneers PhD Dissertation Grants (TOP Grants) , National Science and Technology Council, Taiwan	\$30,000
2018–2022	Government Fellowship for Overseas Ph.D. Study , Ministry of Education, Taiwan	\$188,000
2024	Gillespie Memorial Fund Fellowship , Indiana University Bloomington	\$1,000
2023	Christopher B. Siegrist Graduate Fellowship , Indiana University Bloomington	\$1,000
2024	Wendell Willkie Political Science Fellowship , Indiana University Bloomington	\$700
2022–2024	Academic Appointment Assistance Fellowship (multiple years) , Indiana University Bloomington	\$6,000 total
2019–2024	Informatics Ph.D. Student Travel Awards (multiple years) , Indiana University Bloomington	\$4,600 total
2020–2022	Informatics Support & Graduate Fellowships (combined) , Indiana University Bloomington	\$2,931

2022	John P. Lovell and Katharine Greenough Fellowships (combined) , Indiana University Bloomington	\$1,000
2014–2016	Outstanding Performance Recognition , Taiwan Institute of Economic Research	\$17,000
2008	First Place, Youth Policy Formulation Competition , Ministry of Education, Taiwan	\$1,670

Outreach & Professional Development

SERVICE AND OUTREACH

Nov. 2024– Present	Junior International Organization Scholars Workshop , Organizing Team Member (Current)	Online
April. 2025	Nuclear Policy/Annual Conference of Midwest Political Science Association (MPSA) , Discussant	Chicago
Oct. 2023	Combining clusters from network analysis with structural topic modeling / Political Networks Online Colloquium , Discussant	Online
April 2022	Agenda Setting in International Organizations / Annual Conference of Midwest Political Science Association (MPSA) , Session Chair and Discussant	Chicago
2020 - 2021	IU Political Science Graduate Student Association (PSGSA) , Co-President IU Political Science Diversity, Equity, Inclusion, and Justice (DEIJ) Committee , Co-Chair	Bloomington
2014 - 2016	APEC SME Joint Ministerial Statements , Drafting Committee Member APEC SME Working Group Meeting Summary Reports , Drafting Committee Member APEC SME Ministerial Working Group Meetings , Taiwan Delegation Member APEC SME Start-up Accelerator and Business Continuity Planning Events , Manager	Multiple Locations
March 2014	APEC High-Level Statement on SME Global Supply Chains , Drafting Committee Member	Taichung
Nov. 2013	International Conference on Health Literacy and Better Healthcare , Organizer	Taipei
April. 2012	Computer Supported Collaborative Learning and AI in Education Workshop , Organizer	Taoyuan

DEVELOPMENT

2021 Summer Institute in Computational Social Science (SICSS), National Chengchi University, Taiwan, Topics covered include text as data, website scraping, digital field experiments, machine learning, and ethics.

2019 Political Network Conference and Workshops, Duke University, USA, Topics covered include introductory and advanced social network analysis (SNA), SNA in R, visualization techniques, latent space models, community detection, exponential random graph models (ERGMs), the theory of behavior in networks, and linking theory to empirics in network analysis.

2014 - 2016 Asia-Pacific Economic Cooperation (APEC) Affairs Camp, Chinese Taipei APEC Study Center, Taipei, Topics covered APEC affairs outlook, developments of APEC committees and working groups, and APEC project best practices sharing

2008 Asian Affairs Camp for Youth, Chinese Taipei Pacific Economic Cooperation Council (PECC), Taipei, Topics covered include Asia-Pacific trade integration, policy implementation, and economic and technical Cooperation

2008 Taiwan Association for Human Right Camp, Taipei, Topics covered include the evolution of the Taiwan human rights movement and current human rights issues.

2005 - 2006 Taiwan Legislator Yuan Intern, Legislator scheduling and bill proposal discussion

PEER REVIEW SERVICE

Journal of Applied Network Science

PROFESSIONAL MEMBERSHIPS

Political Networks

American Political Science Association (APSA)

Mid-West Political Science Association (MPSA)

International Studies Association (ISA)

Software and Language

Software R, Python, LaTeX, Gephi, HTML, CSS, Visual Studio Code, NetLogo, Zotero, Tableau,
Language Mandarin Chinese (native), English (professional proficiency), Vietnamese (beginner),
Spanish (beginner),

References

Ore Koren

Department of Political Science
Associate Professor
Indiana University Bloomington
okoren@iu.edu

William Kindred Winecoff

Lecturer
School of Planning and Public Policy
Rutgers University
w.k.winecoff@rutgers.edu

Samantha Wood (Teaching Referee)

Assistant Professor
Department of Informatics
Indiana University Bloomington
sw113@iu.edu

Staša Milojević

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smilojev@iu.edu

Sarah Bauerle Danzman

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Department of International Studies
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