

Hao Peng

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RESEARCH INTERESTS	Computational Social Science, Social Networks, Science of Science, Information Diffusion, Innovation, Leadership, Inequality, Diversity, Ethnicity, Gender	
EMPLOYMENT	Postdoctoral Fellow Northwestern University <ul style="list-style-type: none">• Host: Brian Uzzi @NICO	May 2022 - Present Evanston, IL, USA
	Graduate Student Research Assistant University of Michigan	Sep. 2017 - Present Ann Arbor, MI, USA
	Summer Research Intern University of Southern California <ul style="list-style-type: none">• Host: Emilio Ferrara @ISI	May 2017/19 - July 2017/19 Los Angeles, USA
	Summer Research Intern University of Pennsylvania <ul style="list-style-type: none">• Host: Lyle Ungar, M. Abdul-Mageed @WWBP	May 2016 - Aug. 2016 Philadelphia, USA
EDUCATION	Ph.D. in Information Science University of Michigan , School of Information <ul style="list-style-type: none">• Advisor: Daniel M. Romero	Sep. 2017 - May 2022 Ann Arbor, MI, USA
	M.S. in Data Science Indiana University , School of Informatics <ul style="list-style-type: none">• Advisors: Yong-Yeol Ahn, Filippo Menczer	Sep. 2015 - May 2017 Bloomington, IN, USA
	B.S. in Information Management Sun Yat-Sen University	Sep. 2011 - June 2015 Guangzhou, China
	Summer Visiting Scholar National Chengchi University , Business School	Jun 2012 - Aug 2012 Taipei City
PUBLICATIONS	Preprints <ol style="list-style-type: none">1. The Gender Gap in Scholarly Self-Promotion on Social Media H. Peng, M. Teplitskiy, D.M. Romero, E.Á. Horvát (In Review)2. Acceptance in Two Major Life Sciences Journals Shows Large Disparities Across Name-inferred Ethnicities H. Peng, K.R. Lakhani, M. Teplitskiy (In Review)3. Author Mentions in Science News Reveal Widespread Disparities Across Name-inferred Ethnicities	

H. Peng, M. Teplitskiy, D. Jurgens
(In Review)

Journal Papers

1. Is Novel Research Worth Doing? Evidence From Peer Review at 49 Journals
M. Teplitskiy, **H. Peng**, A. Blasco, K.R. Lakhani
PNAS 119, e2118046119 (2022)
2. Dynamics of Cross-Platform Attention to Retracted Papers
H. Peng, D.M. Romero, E.Á. Horvát
PNAS 119, e2119086119 (2022)
3. Neural Embeddings of Scholarly Periodicals Reveal Complex Disc. Organizations
H. Peng, Q. Ke, C. Budak, D.M. Romero, Y.Y. Ahn
Science Advances 7, eabb9004 (2021)
4. Network Modularity Controls the Speed of Information Diffusion
H. Peng, A. Nematzadeh, D.M. Romero, E. Ferrara
Physical Review E 112, 052316 (2020)
5. Social Influence and Unfollowing Accelerate the Emergence of Echo Chambers
K. Sasahara, W. Chen, **H. Peng**, G.L. Ciampaglia, A. Flammini, F. Menczer
Journal of Computational Social Science (2020)
6. Sentiment Analysis of Web Reviews Based on Comparative Sentence Extraction
H. Peng, J. Xu, Z. Xiao
Data Analysis and Knowledge Discovery (2016)

Conference Papers

1. Event-Driven Analysis of Crowd Dynamics in the *BLM* Online Social Movement
H. Peng, C. Budak, D.M. Romero
WWW (2019)
2. Recognizing Pathogenic Empathy in Social Media
M. Abdul-Mageed, A. Buffone, **H. Peng**, S. Giorgi, J. Eichstaedt, L. Ungar
ICWSM (2017)

Workshop Papers

1. Performance Dynamics and Success in Online Games
A. Sapienza, **H. Peng**, E. Ferrara
ICDM Workshop (2017)

AWARDS AND FELLOWSHIPS

Awards

- Best Paper Award (\$1,000), *ASIS&T*, SIG-MET Workshop, 2021
- 2nd Prize (\$750), John Hunter Excellence in Plotting Contest, *SciPy*, 2019
- UMich Rackham Travel Grant, 2019
- UMSI PhD Travel Grant, 2018, 2019
- Travel Scholarship, *IC2S2*, 2018
- Microsoft Azure Research Award, 2016

Fellowships

- Indiana University Data Science Program Fellowship, 2015
- Academic Excellence Scholarship of Sun Yat-Sen University, 2011

Other Awards

- First Prize in the Regional Physics Competition, Hubei, China, 2010
- Third Prize in the National Physics Olympiad Contest, China, 2010

TEACHING

Graduate Student Instructor

University of Michigan

- SI 106 - Programs, Information and People (with Paul Resnick) Winter 2019
- SI 330 - Data Manipulation (with Matthew Kay) Fall 2018

MEDIA COVERAGE

Research Coverage

- *Washington Post*
 1. July 2022, Retractions aren't a panacea for bad research
- *New Scientist*
 1. Sep. 2020, US science news biased against people with names of non-British origin
- *Northwestern Now*
 1. June 2022, Flawed research not retracted fast enough to prevent spread of misinformation
- *Inside Higher Ed*
 1. June 2022, Retractions: A Missed Opportunity?

SELECTED TALKS

Conference Presentations

- *IC2S2*, UChicago July 2022
- *ICSSI*, National Academy of Sciences, Washington, DC June 2022
- *IC2S2*, ETH Zurich, Switzerland July 2021
- *IC2S2*, MIT July 2020
- *WWW*, San Francisco May 2019
- *IC2S2*, Northwestern University July 2018
- *NetSci*, Indianapolis June 2017

SERVICE

Conference Reviewer, PC Member

- *WWW*, *WSDM*, *ICWSM*
- *CHI*, *CSCW*
- *IC2S2*

Journal Reviewer

- Computer Science: *Transactions on the Web*
- Multidiscipline: *PLOS ONE*

REFERENCES

- Brian Uzzi
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Northwestern University
- Daniel M. Romero
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University of Michigan
- Misha Teplitskiy
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Northwestern University
- Emilio Ferrara
emiliofe@usc.edu
University of Southern California
- Yong-Yeol Ahn
yyahn@iu.edu
Indiana University Bloomington