

Hao Peng

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RESEARCH INTERESTS	Computational Social Science, Data Science, Science of Science, Complex Systems, Social Networks, Information Diffusion, Organizations, Innovation, Inequality, Ethnicity, Gender	
EDUCATION	Ph.D. in Information University of Michigan , School of Information • Advisor: Daniel M. Romero	Sep. 2017 - Present Ann Arbor, MI, USA
	M.S. in Data Science Indiana University , School of Informatics • 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
RESEARCH POSITIONS	Graduate Student Research Assistant University of Michigan	Sep. 2017 - Present Ann Arbor, MI, USA
	Summer Research Intern University of Southern California • Host: Information Sciences Institute • Supervisor: Emilio Ferrara	May 2017/19 - July 2017/19 Los Angeles, USA
	Summer Research Intern University of Pennsylvania • Host: World Well-Being Project • Supervisor: Muhammad Abdul-Mageed , Lyle Ungar	May 2016 - Aug. 2016 Philadelphia, USA
PREPRINTS	<ol style="list-style-type: none">Dynamics of Cross-Platform Attention to Retracted Papers: Pervasiveness, Audience Skepticism, and Timing of Retractions H. Peng, D.M. Romero, E.Á. Horvát (In Review)Is Novel Research Worth Doing? Evidence from Journal Peer Review M. Teplitskiy, H. Peng, A. Blasco, K.R. Lakhani (In Review)Acceptance in Two Major Life Sciences Journals Shows Large Disparities Across Name-inferred Ethnicities H. Peng, K.R. Lakhani, M. Teplitskiy (In Review)	

4. Author Mentions in Science News Reveal Widespread Disparities Across Name-inferred Ethnicities
H. Peng, M. Teplitskiy, D. Jurgens
(In Review)

JOURNAL PAPERS

1. Neural Embeddings of Scholarly Periodicals Reveal Complex Disciplinary Organizations
H. Peng, Q. Ke, C. Budak, D.M. Romero, Y.Y. Ahn
Science Advances 7, eabb9004 (2021)
2. Network Modularity Controls the Speed of Information Diffusion
H. Peng, A. Nematzadeh, D.M. Romero, E. Ferrara
Physical Review E 112, 052316 (2020)
3. 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)
4. Sentiment Analysis of Web Reviews Based on Comparative Sentence Extraction
H. Peng, J. Xu, Z. Xiao
Data Analysis and Knowledge Discovery (2016)

SHORT PAPERS

1. Event-Driven Analysis of Crowd Dynamics in the BLM Online Social Movement
H. Peng, C. Budak, D.M. Romero
WWW (2019)
2. Performance Dynamics and Success in Online Games
A. Sapienza, **H. Peng**, E. Ferrara
ICDM Workshop (2017)
3. Recognizing Pathogenic Empathy in Social Media
M. Abdul-Mageed, A. Buffone, **H. Peng**, S. Giorgi, J. Eichstaedt, L. Ungar
ICWSM (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
- Silver Medal in the National Physics Olympiad Contest, China, 2010

TEACHING

Graduate Student Instructor

University of Michigan

- SI 106 - Programs, Information and People (with [Paul Resnick](#))
- SI 330 - Data Manipulation (with [Matthew Kay](#))

Winter 2019

Fall 2018

MEDIA COVERAGE

Research Coverage

- New Scientist [[Link](#)]

Sep 2020

SELECTED TALKS

Conference Presentations

- IC2S2, ETH Zurich, Switzerland
- IC2S2, MIT, Boston
- WWW, San Francisco
- IC2S2, Northwestern University, Chicago
- NetSci, Indianapolis

July 2021

July 2020

May 2019

July 2018

June 2017

Colloquia and Seminars

- CSS Seminar, UMSI
- IAR Seminar, UMSI
- IAR Seminar, UMSI
- "[Web of Science as a Research Dataset](#)", IUB

Oct. 2019

April 2019

Nov. 2017

Nov. 2016

SERVICE

Conference Volunteer

- Session chair, IC2S2, 2020

Conference Reviewer

- WWW: 2017, 2019, 2020
- WSDM: 2018, 2020
- IC2S2: 2020
- CSCW: 2020
- ICWSM: 2021
- CHI: 2022

Journal Reviewer

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

REFERENCES

- Daniel M. Romero
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- David Jurgens
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- Northwestern University
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University of Southern California
- Yong-Yeol Ahn
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Indiana University Bloomington
- Filippo Menczer
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