

Hao Peng

CONTACT	3332 North Quad 105 S. State St. Ann Arbor, MI 48109	Website: http://haoopeng.github.io/ Email: haopeng@umich.edu Mobile: (812) 349-8040
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 & System Sun Yat-Sen University	Sep. 2011 - June 2015 Guangzhou, China
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">Analyzing Online Attention to Retracted Papers 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)Ethnic Disparities in Publishing in Top Biology Journals H. Peng, K.R. Lakhani, M. Teplitskiy (In Review)Author Mentions in Science News Reveal Wide-Spread Ethnic Disparities H. Peng, M. Teplitskiy, D. Jurgens (In Review)	

JOURNAL PAPERS

1. 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)
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 July 2021
- *IC2S2*, MIT, Boston July 2020
- *WWW*, San Francisco May 2019
- *IC2S2*, Northwestern University, Chicago July 2018
- *NetSci*, Indianapolis June 2017

Colloquia and Seminars

- CSS Seminar, UMSI Oct. 2019
- IAR Seminar, UMSI April 2019
- IAR Seminar, UMSI Nov. 2017

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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- Northwestern University
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- Filippo Menczer
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