Haewoon Kwak Curriculum vitae

Contact Luddy School of Informatics, Computing, and E-mail: hwkwak@iu.edu Engineering Indiana University Bloomington http://haewoon.github.io 47408, IN, USA http://soda-labo.github.io/ HIGHLIGHTS **Highly cited research** (H-index: 44, i10-index: 91, Lifetime citations > 21k) • Twitter as an information network [C8]: 10,402 times • YouTube video popularity characterization [C3]: 2,244 times - Huge online social network (OSN) analysis [C2]: 1,443 times **EDUCATION** Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea Ph.D. in Computer Science (4 years) August 2011 Advisor: Professor Sue Moon Dissertation: Multi-level Analysis on Structures and Dynamics of Online Social Networks M.S. in Computer Science (1.5 years) August 2007 B.S. in Computer Science (3.5 years) Feburary 2006 Indiana University Bloomington, IN, USA Professional EXPERIENCE Jan 2023 - Present Associate Professor Singapore Management University, Singapore Associate Professor Oct 2020 - Dec 2022 Qatar Computing Research Institute, HBKU, Doha, Qatar Senior Scientist Jul 2016 - Sep 2020 Scientist Apr 2014 - Jun 2016 Telefonica Research, Barcelona, Spain Researcher Jun 2012 - Apr 2014 KAIST, Daejeon, Korea Research Assistant Aug 2011 - Oct 2011 Telefonica Research, Barcelona, Spain Intern Sep 2007 - Dec 2007 AWARDS 2024 IU Trustees Teaching Award 2024 Stanford/Elsevier Top 2% Scientists 2024 Luddy Faculty Fellow (2024-25) 2023 Best Metareviewer award, The Web conference, Austin, Texas, US

- 2022 ACM Internet Measurement Conference Test of Time Award, Nice, France
- 2021 The D.S. Lee Foundation Fellowship (2021-22)
- 2021 AI 2000 Most Influential Scholars Honorable Mention (Human-Computer Interaction, 2011-2020) by AMiner
- 2021 Best reviewer award, The Web conference, Virtual conference
- 2020~ AI 2000 Most Influential Scholars (Information Retrieval and Recommendation, 2010-2019) by AMiner
- 2019 Best paper award, International Conference on Social Informatics (SocInfo), Doha, Qatar
- 2018 HBKU Innovation Idea Development Grants, Doha, Qatar
- 2016 Qatar Science & Technology Park (QSTP) Accelerator program, Doha, Qatar
- 2011 Best Ph.D. Thesis, KAIST Computer Science Department, Daejeon, Korea
- 2007 Best paper award, ACM Internet Measurement Conference, San Diego, CA, USA

#### Funding Current Awarded Grants

- Global Research Support Program in the Digital Field Program (Task: Development of Reliable, Secure, and Safe Human-AI Alignment Techniques), Co-PI (PI: Jinyoung Han, SKKU, Korea), KRW 681,000,000, Ministry of Science and ICT, Korea, 2024– 2026
- BRAIN (Belief Resonance and AI Narratives): Understanding Belief Narrative Resonance in the Era of Generative AI, *Key-personnel* (PI: Young-Yeol Ahn, IU), USD 7,500,000, DoD AFOSR MURI, 2024–2029

#### Past Awarded Grants

 Developing AI systems to monitor diversity and fairness in media, PI, SGD 99,998, Ministry of Education (MOE) Tier 1 Academic Research Fund (AcRF), Singapore, 2020–2021

#### Publications Journals

- [J16] B. Lee, R. Aiyappa, Y.-Y. Ahn, H. Kwak, and J. An. A semantic embedding space based on large language models for modeling human beliefs. *Nature Human Behaviour*, 2025
- [J15] K. Miyazaki, T. Uchiba, H. Kwak, J. An, and K. Sasahara. The influence of toxic trolling comments on anti-vaccine youtube videos. *Scientific Reports*, 14(5088), 2024
- [J14] K. Miyazaki, T. Murayama, T. Uchiba, J. An, and H. Kwak. Public perception of generative AI on Twitter: An empirical study based on occupation and usage. EPJ Data Science, 13, 2024
- [J13] Y. Mejova, J. An, G.D.F. Morales, and H. Kwak. Modeling political activism around gun debate via social media. ACM Transactions on Social Computing, 2022
- [J12] H. Almerekhi, H. Kwak, J. Salminen, and B. J. Jansen. Provoke: Toxicity trigger detection in conversations from the top 100 subreddits. *Data and Information Management*, page 100019, 2022

- [J11] H. Almerekhi, H. Kwak, and B.J. Jansen. Investigating toxicity changes of cross-community redditors from 2 billion posts and comments. *PeerJ Computer Science*, 8:e1059, 2022
- [J10] Sercan Şengün, Peter Mawhorter, James Bowie-Wilson, Yusef Audeh, Haewoon Kwak, and D. Fox Harrell. Contours of virtual enfreakment in fighting game characters. Technological Forecasting and Social Change, 180:121707, 2022
- [J9] J. An, H. Kwak, H. M. Qureshi, and I. Weber. Precision public health campaign: Delivering persuasive messages to relevant segments through targeted advertisements on social media. *JMIR Formative Research*, 5(9):e22313, 2021
- [J8] **H. Kwak**, J. An, E. Jing, and Y.-Y. Ahn. Frameaxis: characterizing microframe bias and intensity with word embedding. *PeerJ Computer Science*, 7:e644, 2021
- [J7] A. Zubiaga, B. Heravi, J. An, and H. Kwak. Social media mining for journalism. Online Information Review, 43(1):2-6, 2019
- [J6] J. An, H. Kwak, S. Jung, J. Salminen, M. Admad, and B.J. Jansen. Imaginary people representing real numbers: generating personas from online social media data. ACM Transactions on the Web (TWEB), 12(4):27, 2018
- [J5] P. Mawhorter, S. Şengün, H. Kwak, and D.F. Harrell. Identifying regional trends in avatar customization. *IEEE Transactions on Games*, pages 1–11, 2018
- [J4] S.-Y. Shin, D.-W. Seo, J. An, H. Kwak, S.-H. Kim, J. Gwack, and M.-W. Jo. High correlation of Middle East respiratory syndrome spread with Google search and Twitter trends in Korea. Scientific reports, 6:32920, 2016
- [J3] H. Park, H. Kwak, M. Cha, and S. Moon. Influentials ranking in social networks. Communications of the Korean Institute of Information Scientists and Engineers (in Korean), 28(3):24–30, 2010
- [J2] H. Kwak, S. Moon, Y. Eom, Y. Choi, and H. Jeong. Consistent community identification in complex networks. *Journal of the Korean Physical Society*, 59(5):3128– 3132, 2011
- [J1] M. Cha, H. Kwak, P. Rodriguez, Y. Ahn, and S. Moon. Analyzing the video popularity characteristics of large-scale user generated content systems. *IEEE/ACM Transactions on Networking*, 17(5):1357–1370, Oct 2009

#### Conferences

- [C90] Z. Kachwala, J. An, H. Kwak, and F. Menczer. Rematch: Robust and efficient matching of local knowledge graphs to improve structural and semantic similarity. In Findings of the Association for Computational Linguistics: NAACL 2024, pages 1018–1028, 2024
- [C89] P. Nakov, J. An, H. Kwak, M. A. Manzoor, Z. Mujahid, and H. Sencar. A survey on predicting the factuality and the bias of news media. In Lun-Wei Ku, Andre Martins, and Vivek Srikumar, editors, Findings of the Association for Computational Linguistics: ACL 2024, pages 15947–15962, Bangkok, Thailand, August 2024. Association for Computational Linguistics
- [C88] F. Huang, H. Kwak, K. Park, and J. An. ChatGPT rates natural language explanation quality like humans: But on which scales? In Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024), pages 3111–3132, 2024
- [C87] F. Huang, H. Kwak, and J. An. Is ChatGPT better than human annotators? potential and limitations of ChatGPT in explaining implicit hate speech. In Companion Proceedings of the ACM Web Conference 2023, pages 294–297, 2023

- [C86] F. Huang, H. Kwak, and J. An. Chain of explanation: New prompting method to generate quality natural language explanation for implicit hate speech. In Companion Proceedings of the ACM Web Conference 2023, pages 90–93, 2023
- [C85] R. Aiyappa, J. An, H. Kwak, and Y.-Y. Ahn. Can we trust the evaluation on ChatGPT? In Proceedings of the 3rd Workshop on Trustworthy Natural Language Processing (TrustNLP 2023), pages 47–54, Toronto, Canada, July 2023. Association for Computational Linguistics
- [C84] S. Y. Liaw, F. Huang, F. Benevenuto, H. Kwak, and J. An. Younicon: Youtube's community of conspiracy videos. In *Proceedings of the International AAAI Conference* on Web and Social Media, volume 17, pages 1102–1111, 2023
- [C83] T. Uchiba K. Miyazaki, K. Tanaka, J. An, H. Kwak, and K. Sasahara. "This is fake news": Characterizing the spontaneous debunking from Twitter users to COVID-19 false information. In Proceedings of the 17th International AAAI Conference on Web and Social Media (ICWSM), 2023
- [C82] H. Zhang, H. Kwak, W. Gao, and J. An. Wearing masks implies refuting Trump?: Towards target-specific user stance prediction across events in COVID-19 and US election 2020. In Proceedings of the 15th International ACM Conference on Web Science (WebSci). ACM, 2023
- [C81] K. Miyazaki, T. Murayama, A. Matsui, M. Nishikawa, T. Uchiba, H. Kwak, and J. An. Political honeymoon effect on social media: Characterizing social media reaction to the changes of prime minister in Japan. In *Proceedings of the 15th International ACM Conference on Web Science (WebSci)*. ACM, 2023
- [C80] K. Miyazaki, T. Uchiba, H. Kwak, and J. An. MAANG? MANGA? characterizing spontaneous ideation contest on social media: Case study on the name change of Facebook to Meta. In 2022 IEEE International Conference on Big Data (Big Data), pages 776–783, 2022
- [C79] H. Kwak. You have earned a trophy: Characterize in-game achievements and their completions. In Proceedings of the 14th International ACM Conference on Web Science (WebSci). ACM, 2022
- [C78] Y. Y. Chong and H. Kwak. Understanding toxicity triggers on reddit in the context of singapore. In Proceedings of the 16th International AAAI Conference on Web and Social Media (ICWSM) (Short paper), 2022
- [C77] H. Kwak, J. An, and K. Park. Who is missing? characterizing the participation of different demographic groups in a korean nationwide daily conversation corpus. In Proceedings of the 16th International AAAI Conference on Web and Social Media (ICWSM) (Short paper), 2022
- [C76] J. An, H. Kwak, C. S. Lee, B. Jun, and Y.-Y. Ahn. Predicting anti-asian hateful users on twitter during covid-19. In *Findings of the Association for Computational Linguistics: EMNLP 2021*, pages 4655–4666, 2021
- [C75] K. Park, H. Kwak, J. An, and S. Chawla. How-to present news on social media: A causal analysis of editing news headlines for boosting user engagement. In Proceedings of the 15th International AAAI Conference on Web and Social Media (ICWSM), 2021
- [C74] H. Kwak, J. An, and Y.-Y. Ahn. A systematic media frame analysis of 1.5 million new york times articles from 2000 to 2017. In Proceedings of the 12th International ACM Conference on Web Science (WebSci). ACM, 2020
- [C73] H. Almerekhi, S. B. J. Jansen, and H. Kwak. Investigating toxicity across multiple reddit communities, users, and moderators. In Companion proceedings of the web conference 2020, pages 294–298, 2020

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- [C71] J. Salminen, J. M. Santos, H. Kwak, J. An, S. Jung, and B. J. Jansen. Persona perception scale: Development and exploratory validation of an instrument for evaluating individuals' perceptions of personas. *International Journal of Human-Computer Studies*, 141:102437, 2020
- [C70] K. Park, H. Kwak, H. Song, and M. Cha. "Trust me, I have a Ph.D.": Exposing a high offline status leads to heightened positive interactions in online communities. In Proceedings of the 14th International AAAI Conference on Web and Social Media (ICWSM), 2020
- [C69] S. Ganguly, J. Kulshrestha, J. An, and H. Kwak. Empirical evaluation of three common assumptions in building political media bias datasets. In Proceedings of the 14th International AAAI Conference on Web and Social Media (ICWSM) (short paper), 2020
- [C68] H. Almerekhi, H. Kwak, B. Jansen, and J. Salminen. Are these comments triggering? Predicting triggers of toxicity in online discussions. In *Proceedings of* the The Web Conference (short paper). International World Wide Web Conferences Steering Committee, 2020
- [C67] Y. Zhang, G.D.S. Martino, A. Barrón-Cedeño, S. Romeo, J. An, H. Kwak, T. Staykovski, I. Jaradat, G. Karadzhov, R. Baly, K. Darwish, J. Glass, and P. Nakov. Tanbih: Get to know what you are reading. In Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP): System Demonstrations, pages 223–228, Hong Kong, China, November 2019. Association for Computational Linguistics
- [C66] J. Salminen, S. Jung, J. An, H. Kwak, L. Nielsen, and B. J. Jansen. Confusion and information triggered by photos in persona profiles. *International Journal of Human-Computer Studies*, 129:1–14, 2019
- [C65] J. Salminen, M. Nagpal, H. Kwak, J. An, S. Jung, and B. J. Jansen. Confusion prediction from eye-tracking data: Experiments with machine learning. In *Proceedings* of the 9th International Conference on Information Systems and Technologies, pages 1–11, 2019
- [C64] J. An and H. Kwak. Gender and racial diversity in commercial brands' advertising images on social media. In *International Conference on Social Informatics (SocInfo)*. Springer, 2019
- [C63] J. Salminen, B. J. Jansen, J. An, H. Kwak, and S. Jung. Automatic persona generation for online content creators: Conceptual rationale and a research agenda. In *Personas-User focused design*, pages 135–160. Springer, 2019
- [C62] H. Almerekhi, H. Kwak, B.J. Jansen, and J. Salminen. Detecting toxicity triggers in online discussions. In *Proceedings of the 30th ACM Conference on Hypertext* and Social Media, pages 291–292. ACM, 2019
- [C61] J. An, H. Kwak, O. Posegga, and A. Jungherr. Political discussions in homogeneous and cross-cutting communication spaces. In *Proceedings of the 13th International* AAAI Conference on Web and Social Media (ICWSM), volume 13, pages 68–79, 2019
- [C60] S. Jung, J. An, H. Kwak, J. Salminen, and B.J. Jansen. Assessing the accuracy of four popular face recognition tools for inferring gender, age, and race. In Proceedings of the 12th International AAAI Conference on Web and Social Media (ICWSM), pages 624–627, 2018

- [C59] J. Salminen, H. Almerekhi, M. Milenković, S. Jung, J. An, H. Kwak, , and B.J. Jansen. Anatomy of online hate: developing a taxonomy and machine learning models for identifying and classifying hate in online news media. In *Proceedings of the 12th International AAAI Conference on Web and Social Media*, pages 330–339, 2018
- [C58] J. An, H. Kwak, and Y.-Y. Ahn. SemAxis: A lightweight framework to characterize domain-specific word semantics beyond sentiment. In *Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 2450–2461, Melbourne, Australia, July 2018. Association for Computational Linguistics
- [C57] S. Zannettou, B. Bradlyn, E. De Cristofaro, H. Kwak, M. Sirivianos, G. Stringini, and J. Blackburn. What is Gab: A bastion of free speech or an alt-right echo chamber. In *Companion Proceedings of the The Web Conference 2018*, pages 1007–1014. International World Wide Web Conferences Steering Committee, 2018
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- [C55] S. Jung, J. O. Salminen, J. An, H. Kwak, and B. J. Jansen. Automatically conceptualizing social media analytics data via personas. In Twelfth International AAAI Conference on Web and Social Media, 2018
- [C54] J. Salminen, B.J. Jansen, J. An, S. Jung, L. Nielsen, and H. Kwak. Fixation and confusion: Investigating eye-tracking participants' exposure to information in personas. In *Proceedings of the 2018 Conference on Human Information Interaction & Retrieval*, pages 110–119. ACM, 2018
- [C53] J. Salminen, H. Kwak, J. Santos, S. Jung, J. An, and B.J. Jansen. Persona perception scale: developing and validating an instrument for human-like representations of data. In Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems, page LBW075. ACM, 2018
- [C52] J. Salminen, S. Şengün, H. Kwak, B. J. Jansen, J. An, S. Jung, and S. Vieweg. From 2,772 segments to five personas: Summarizing a diverse online audience by generating culturally adapted personas. First Monday, 23(6), 2018
- [C51] J. An, H. Kwak, S. Jung, J. Salminen, and B. J. Jansen. Customer segmentation using online platforms: isolating behavioral and demographic segments for persona creation via aggregated user data. *Social Network Analysis and Mining*, 8(1):54, 2018
- [C50] J. Salminen, L. Nielsen, S. Jung, J. An, H. Kwak, and B. J. Jansen. "is more better?" impact of multiple photos on perception of persona profiles. In *Proceedings* of the 2018 CHI Conference on Human Factors in Computing Systems, pages 1–12, 2018
- [C49] H. Kwak, J. An, J. Salminen, S.-G. Jung, and B. Jansen. What we read, what we search: Media attention and public attention among 193 countries. In *Proceedings of the 2018 World Wide Web Conference*, pages 893–902. International World Wide Web Conferences Steering Committee, 2018
- [C48] J. Salminen, S. Jung, J. An, H. Kwak, and B. J. Jansen. Findings of a user study of automatically generated personas. In Extended abstracts of the 2018 CHI conference on human factors in computing systems, pages 1–6, 2018
- [C47] S. Jung, J. Salminen, H. Kwak, J. An, and B. J. Jansen. Automatic persona generation (apg) a rationale and demonstration. In Proceedings of the 2018 conference on human information interaction and retrieval, pages 293–296, 2018
- [C46] J. An and H. Kwak. Multidimensional analysis of the news consumption of different demographic groups on a nationwide scale. In *International Conference* on Social Informatics (SocInfo), pages 124–142. Springer, 2017

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- [C43] H. Kwak and J. An. Multiplex media attention and disregard network among 129 countries. In Proceedings of the 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) 2017, pages 1225–1232. ACM, 2017
- [C42] B. J. Jansen, S. Jung, J. Salminen, J. An, and H. Kwak. Viewed by too many or viewed too little: Using information dissemination for audience segmentation. In Proceedings of the Association for Information Science and Technology, volume 54, pages 740–742, 2017
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- [C27] J. An, H. Cho, H. Kwak, M. Z. Hassen, and B. J. Jansen. Towards automatic persona generation using social media. In 2016 IEEE 4th international conference on future internet of things and cloud (FiCloud), pages 216–221. IEEE, 2016
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- [C23] H. Kwak, J. Blackburn, and S. Han. Exploring cyberbullying and other toxic behavior in team competition online games. In *Proceedings of the 33rd Annual* ACM Conference on Human Factors in Computing Systems (CHI), pages 3739– 3748. ACM, 2015
- [C22] I. Leontiadis, A. Lima, H. Kwak, R. Stanojevic, D. Wetherall, and D. Papagiannaki. From cells to streets: Estimating mobile paths with cellular-side data. In Proceedings of the 10th ACM International on Conference on emerging Networking Experiments and Technologies (CoNEXT), pages 121–132. ACM, 2014
- [C21] **H. Kwak** and J. An. Understanding news geography and major determinants of global news coverage of disasters. In *Computation+ Journalism Symposium*, 2014
- [C20] H. Kwak and J. An. A first look at global news coverage of disasters by using the GDELT dataset. In *International Conference on Social Informatics (SocInfo)*, pages 300–308. Springer, 2014
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#### Patents

- [P4] N. Oliver M. Pielot, H. Kwak, and R. Oliveira. Method for predicting reactiveness of users of mobile devices for mobile messaging, June 25 2015. US Patent App. 14/577,488
- [P3] H. Kwak and E. Martinez. Method, system and computer-readable storage mediums for estimating a route, January 8 2015. US Patent App. 14/323,186
- [P2] S. Moon, H. Kwak, H. Shin, and J. Yoon. System and method for extracting users of similar interests between various types of web servers, April 16 2013. US Patent 8,423,542
- [P1] X. Amatriain, J. Puyol, N. Lathia, P. Rodriguez, and H. Kwak. Recommender system based on expert opinions, June 9 2011. US Patent App. 12/630,606

# TEACHING EXPERIENCE

#### Indiana University Bloomington, US

- I590: Topics in Informatics Data Visualization FA23, FA24, SP25
- I210: Intro to Programming SP23

# Singapore Management University, Singapore

- IS457: Fairness in Socio-technial Systems 21FA, 22FA
- IS111: Intro to Programming 21FA, 22FA
- IS112: Data Management 21SP
- SMT483: Project Experience 21SP

# Professional Service

#### Editorial services

- Editorial board member, Humanities and Social Sciences Communications (published by Springer Nature, 2023 Impact Factor: 3.7)
- Editorial board member, Online Social Networks and Media (Science Citation Index Expanded journal): 2019-present

• Editorial board member, Digital Journalism (2018 Impact Factor 2.679): 2020-2021

#### Organization

- PhD Symposium chair, The ACM Web Conference, Singapore (2024)
- Virtual experience chair, The fifth annual ACM FAccT conference, Seoul, Korea (2022)
- Co-organizer, 4th International Workshop on NEws and public Opinion (NECO 2020) co-located with ICWSM'20, Atlanta, GA, USA (2020)
- Co-organizer, Workshop on Bias, Disinformation, Misinformation, and Propaganda in Online News and in Social Media co-located with SocInfo'19, Doha, Qatar (2019)
- Workshop chair, 29th ACM Conference on Hypertext and Social Media (HT), Baltimore, Maryland, USA (2018)
- Co-organizer, 3rd International Workshop on NEws and public Opinion (NECO 2018) co-located with ICWSM'18, Stanford, CA, USA (2018)
- Co-organizer, 4th workshop on Social News on the Web (SNOW 2017) Co-located with WWW'17, Perth, Australia (2017)
- Co-organizer, 2nd International Workshop on NEws and public Opinion (NECO 2017) co-located with ICWSM'17, Montreal, Canada (2017)
- Co-organizer, 3rd workshop on Social News on the Web (SNOW 2016) Co-located with WWW'16, Montreal, Canada (2016)
- Co-organizer, 1st International Workshop on NEws and public Opinion (NECO 2016) co-located with ICWSM'16, Cologne, Germany (2016)
- Track chair (with Alessandra Sala and Aristides Gionis), Social Networks and Graph Analysis Track in 2016 International World Wide Web Conference, Montreal, Canada (2016)
- Co-organizer, 1st International Workshop on Exploration Games and Gamers (EGG) co-located with SocInfo'14, Barcelona, Spain (2014)
- Registration chair, ACM Internet Measurement Conference (IMC), Barcelona, Spain (2013)

#### Program Committee Member

- The Web (WWW) Social networks and social media Track Senior PC: 2025
- The Web (WWW) Responsible Web Track Senior PC: 2025
- ICWSM Senior PC: 2014, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025
- ACM WebSci Senior PC: 2023, 2024, 2025
- ACM WSDM Senior PC: 2025
- COLM: 2025
- ACL ARR: 2023, 2024
- The Web (WWW) Web and Society Track Senior PC: 2023
- The Web (WWW) Web and Society Track PC: 2018, 2019, 2020, 2021, 2022
- The Web (WWW) Fairness, Accountability, Transparency, and Ethics on the Web Track PC: 2023
- ACL Computational Social Science and Cultural Analytics Track: 2023

- AAAI/ACM Conference on AI, Ethics, and Society (AIES) PC: 2022
- EACL Ethical and Sustainable NLP track: 2023
- EMNLP: 2023
- AACL-IJCNLP: 2022
- International Conference on Computational Social Science (IC2S2): 2023, 2024
- Conference on Complex Systems: 2024
- NETSCI Computer Science Track: 2020 (cancelled due to Covid-19)
- SocInfo PC: 2014, 2015, 2016, 2020
- ACL NLP and Application Track: 2020
- The Web (WWW) Social Network and Graph Analysis Track: 2014, 2015, 2016, 2018, 2019, 2021
- Complex Networks: 2017, 2018, 2020, 2021, 2022, 2024
- IEEE ICDCS Social Networks and Crowdsourcing: 2018
- European Symposium Societal Challenges in Computational Social Science: 2017
- LC2S2 (At the crossroads: lessons and challenges in Computational Social Science): 2016
- ACM WebSci PC: 2014, 2022
- ACM Hypertext: 2014, 2023, 2024
- The Web (WWW) Poster: 2014
- ICWSM PC: 2013
- European Conference on Complex Systems (ECCS): 2013

# Program Committee Member - Workshop

- NLP+CSS: 2024 (NAACL)
- ICWSM PhoMemes Workshop: 2023
- ACL WOAH Workshop: 2023
- ACL NLP COVID-19 Workshop: 2020
- CIKM MAISoN Workshop: 2020
- WWW Cybersafety Workshop: 2018, 2019, 2020
- ACL Abusive Language Workshop (ALW): 2019
- ACL Workshop on NLP and Social Dynamics: 2014
- CIKM Rumours and Deception in Social Media Workshop: 2018
- WWW Connecting online and offline life (COOL) Workshop: 2014
- WWW Simplifying Complex Networks for Practitioners (SIMPLEX) Workshop: 2014
- SocInfo Interaction and Exchange in Social Media Workshop: 2014
- CIKM Search and Mining User-generated Contents Workshop: 2013

# Best Paper Committee

• ACM WebSci'22

# IN THE PRESS Selected list of media coverages

- "A semantic embedding space based on large language models for modelling human beliefs" (Nature Human Behaviour'25)
  - Phys.org Featured Article
- "Public perception of generative AI on Twitter: an empirical study based on occupation and usage" (EPJ Data Science'24)
  - Blockchain News
- "Investigating toxicity changes of cross-community redditors from 2 billion posts and comments" (PeerJ CS'22)
  - New Scientist
  - NewsWise
  - Independent
  - DailyMail
  - PeerJ Spotlight
- "Understanding Toxicity Triggers on Reddit in the Context of Singapore" (ICWSM'22)
  - AI Ethics Brief Newsletter #111 by Montreal AI Ethics Institute
- "Tanbih: Get to Know What You Are Reading" (EMNLP Demo'19)
  - Forbes
  - Boston Globe
  - Aljazeera
  - MIT Technology Review
  - Science Daily
  - Popular Science
  - Fast Company
  - The Register
  - WIRED
  - Engadget
- "What is Gab? A Bastion of Free Speech or an Alt-Right Echo Chamber?" (WWW Cybersafety workshop'18)
  - New Scientist
  - Vice
- "Data-driven Approach to Measuring the Level of Press Freedom Using Media Attention Diversity from Unfiltered News" (ICWSM'17)
  - The Best of the Physics arXiv (week ending April 15, 2017) in MIT Technology Review
- "I Would Not Plant Apple Trees If the World Will Be Wiped: Analyzing Hundreds of Millions of Behavioral Records of Players During an MMORPG Beta Test" (WWW Companion'17)
  - Nifty news
  - New Scientist
  - Daily Mail
  - IFL Science (2017, 18.1K shared)
  - IFL Science (2023)

- PC Gamer (2017)
- PC Gamer (2023)
- Massively Overpowered
- 4Gamers
- El Confidencial
- Joongang Ilbo
- How Stuff Works
- PC Gamer
- Digital Trends
- Engadget
- "Revealing the Hidden Patterns of News Photos: Analysis of Millions of News Photos Using GDELT and Deep Learning-based Vision APIs" (ICWSM Workshop on News and Public Opinion'16)
  - $-\,$  The Best of the Physics arXiv (week ending March 26, 2016) in MIT Technology Review
- "Breaking the News: First Impressions Matter on Online News" (ICWSM'15)
  - Other Interesting arXiv Papers (Week ending April 11, 2015) in MIT Technology Review
  - O Globo
  - Engadget
  - Arkansas Democrat-Gazette
- "Understanding News Geography and Major Determinants of Global News Coverage of Disasters" (Computation+Journalism Symposium'14)
  - MIT Technology Review
  - ACM Tech News
- "Searching for a Unique Style in Soccer" (KDD Workshop on Large-scale Sports Analytics'14)
  - BBC
  - MIT Technology Review
  - The Sunday Times
  - The Economist
  - Slate
  - Pacific Standard
- "Linguistic Analysis of Toxic Behavior in an Online Video Game" (SocInfo Workshop on Exploration Games and Gamers'14)
  - Other Interesting arXiv Papers (Week ending November 1, 2014) in MIT Technology Review
- "STFU NOOB! Predicting Crowdsourced Decisions on Toxic Behavior in Online Games" (WWW'14)
  - Nature News
  - Scientific American
  - Hybrid
  - Kincir
  - Chosun Ilbo

- "Fragile Online Relationship: a First Look at Unfollow Dynamics in Twitter" (CHI'11)
  - Kyunghyang Shinmun
- "What is Twitter, a Social Network or a News Media?" (WWW'10)
  - Mashable
  - Readwrite
  - Giagom
  - The Guardian
  - PC World
  - MIT Technology Review
  - Chosun Ilbo
  - Dong-A Ilbo
- "I Tube, You Tube, Everybody Tubes: Analyzing the World's Largest User Generated Content Video System" (IMC'07)
  - Work Today
  - Financial News

#### References

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