

Shiri Dori-Hacohen

Curriculum Vitae

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Academic Background

- 2021 - date Assistant Professor, School of Computing, University of Connecticut, Storrs, CT. *Director, Reducing Information Ecosystem Threats (RIET) Lab @ The Connecticut Advanced Computing Center (CACC). Faculty affiliate: Engineering Entrepreneurship Hub; Center for mHealth and Social Media.*
- 2018 Visiting Scholar, The Department of Information and Knowledge Management, University of Haifa, Israel.
- 2011 – 2017 Ph.D., College of Information and Computer Sciences, University of Massachusetts Amherst. M.S. in Computer Science awarded, 2015.
- 2009 – 2011 Ph.D. program, Department of Computer Science and Engineering, University of California, San Diego.
- 2004 – 2006 M.Sc., Department of Computer Science, University of Haifa, Israel. Dean’s List.
- 2001 – 2004 B.Sc., dual-major, Computer Science and Bachelors’ Excellence Program, University of Haifa, Israel. Cum Laude.

Grants and Awards

- 2023 - 2026 **National Science Foundation.** L. Daneshmandi (PI), L. M. Shor, S. Dori-Hacohen (Co-PIs). “Creating Bold STEM Leaders Through Graduate Entrepreneurial Training.” Innovations in Graduate Education Program, Division of Graduate Education, Directorate for STEM Education. \$496,183.
- 2022 - 2024 **National Science Foundation.** S.A. Hale (PI), S. Dori-Hacohen, K. Garimella, K. Jamieson, J.C. Ong, K. Sung (Co-PIs). “NSF Convergence Accelerator Track F: Co-Insights: Fostering Community Collaboration to Combat Misinformation” (*formerly: FACT CHAMP*), NSF Convergence Phase II, Meedan (prime); UConn subaward. 9/1/2022 - 8/31/2024. \$5,000,000.00 (UConn portion: \$299,995).

- 2022 - 2025 **National Science Foundation.** S. Dori-Hacohen (PI), S. Pagoto, S.A. Hale (Co-PIs), *FAI: BRIMI - Bias Reduction In Medical Information*, NSF Program on Fairness in Artificial Intelligence in Collaboration with Amazon. 3/15/2022 - 2/28/2025. \$628,789 (of which, \$392,994 from the NSF and \$235,795 as unrestricted gift from Amazon).
- 2022 - 2024 **Emergence Benefactors.** S. Dori-Hacohen (PI). *Stipend Grant*. 2022. \$10,000.
- 2022 **University of Connecticut.** S. Dori-Hacohen (PI), “Black-on-Asian-Crime”: an exploration of wedge issues in minority communities on social media. Scholarship Facilitation Fund. 1/1/2022 - 6/30/2022. \$2,000.
- 2021 - 2022 **National Science Foundation.** S.A. Hale (PI), S. Dori-Hacohen, K. Garimella, K. Jamieson, J.C. Ong, K. Sung (Co-PIs). “NSF Convergence Accelerator Track F: FACT CHAMP - Fact-checker, Academic, and Community Collaboration Tools: Combating Hate, Abuse, and Misinformation with Minority-led Partnerships,” NSF Convergence Phase I, Meedan (prime); UConn subaward. 9/1/2021 - 8/31/2022. \$749,754.00 (UConn portion: \$110,163.00).
- 2021 - 2023 **National Board of Medical Examiners’ Stemmler Fund.** R.E. Montenegro (PI), S. Dori-Hacohen, K. Sung (Co-PIs). Bias Reduction in Curricular Content (BRICC), Seattle Children’s Hospital; AuCoDe subaward. 9/1/2021 - 9/1/2023. \$150,000 (AuCoDe portion: \$120,000).
- 2020 – 2021 **National Science Foundation.** S. Dori-Hacohen (PI), SBIR Phase II: A Controversy Detection Signal for Finance, Automated Controversy Detection (AuCoDe), NSF Small Business Innovation Research (SBIR) Phase II, 5/1/2020 to 4/30/2022 (transferred PI’ship upon joining UConn). \$940,261.
- 2019 **National Science Foundation.** S. Dori-Hacohen (PI), MIT Fusion Innovation Corps (MIT I-Corps) Microgrant, Massachusetts Institute of Technology & National Science Foundation (NSF), 9/6/2019 to 10/16/2019. \$1,500.
- 2018 – 2019 **National Science Foundation.** S. Dori-Hacohen (PI), SBIR Phase I: A Controversy Detection Signal for Finance, Automated Controversy Detection (AuCoDe), NSF Small Business Innovation Research (SBIR) Phase I, 6/15/2018 to 3/31/2019. \$250,000.
- 2017 – 2018 **National Science Foundation.** J. Allan (PI), **S. Dori-Hacohen (Entrepreneurial Lead)**, Probabilistically Detecting Controversy, NSF Innovation Corps (NSF I-Corps), University of Massachusetts Amherst, 3/01/2017 to 2/28/18. \$50,000.
- 2017 **Massachusetts Technology Transfer Center (MTTC).** Acorn Innovation Award. J. Allan (PI), **S. Dori-Hacohen (Co-PI)**, University of Massachusetts Amherst. *AuCoDe: a controversy detection engine for finance*. 4/1-6/30/17. \$10,000.
- 2016 **Berthiaume Center for Entrepreneurship, University of Massachusetts Amherst.** 1st place, 2016 Innovation Challenge, 4/2016. \$35,000.

2014 – 2015 **Google**. Co-author for: *Seeking Controversial Topics and Stances*, Google Faculty Research Award, J. Allan (PI). 8/27/2014 to 8/26/2015. \$54,440.

Publications

Peer-Reviewed Journal and Conference Publications

- In press **Salavati, C.**, Shannon Song, **Sosa Diaz, W.**, Hale, S. A., Montenegro, R.E., Murai, F., Dori-Hacohen, S., Reducing Biases towards Minoritized Populations in Medical Curricular Content via Artificial Intelligence for Fairer Health Outcomes, *Proceedings of the 2024 AAAI/ACM Conference on AI, Ethics, and Society (AIES 2024)*, San Jose, California, USA.
- 2022 Bucknall, B. and Dori-Hacohen, S., Current and Near-Term AI as a Potential Existential Risk Factor, *Proceedings of the 2022 AAAI/ACM Conference on AI, Ethics, and Society (AIES 2022)*, Oxford, United Kingdom.
- 2017 Jang, M., Dori-Hacohen, S. and Allan, J., Modeling Controversy Within Populations, *Proc. of the International Conference on the Theory of Information Retrieval (ICTIR)*, Amsterdam, The Netherlands.
- 2015 Dori-Hacohen, S., and Allan, J., Automated Controversy Detection on the Web. *Proc. of the 37th European Conference on Information Retrieval (ECIR 2015)*, Vienna, Austria.
- 2009 Biberstein, M., Dori-Hacohen, S., Harel, Y., Heilper, A., Mendelson, B., Shvadron, U., Triester, E., Turek, J., and Chang, M.S., Cell B.E. Performance Optimization: Tracing Tools Implementation and Usage. *IBM Journal of Research and Development*, 53(5), 1-14.
- 2006 Dori, S. and Landau, G.M., Construction of Aho Corasick Automaton in Linear Time for Integer Alphabets. *Information Processing Letters*, 98(2), 66-72.
- 2005 Dori, S. and Landau, G.M., Construction of Aho Corasick Automaton in Linear Time for Integer Alphabets. *Proc. 16th Combinatorial Pattern Matching Conference (CPM)*, Lecture Notes in Computer Science, 3537, Springer-Verlag, 168-177.

Peer-Reviewed Conference Short Papers

- 2024 **Shliselberg, M.**, Kazemi, A., Hale, S.A., and Dori-Hacohen, S., SynDy: Synthetic Dynamic Dataset Generation Framework for Misinformation Tasks. *In Proceedings of the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '24)*.
- 2024 Hale, S.A., Garimella, K., and Dori-Hacohen, S., Misinformation Mitigation Praxis: Lessons Learned and Future Directions from Co-Insights. *SIGIR Symposium on IR in Practice (SIRIP)*. *In Proceedings of the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '24)*.

- 2021 Dori-Hacohen, S., Sung, K., Chou, J., and Lustig-Gonzalez, J. Restoring Healthy Online Discourse by Detecting and Reducing Controversy, Misinformation, and Toxicity Online. *SIGIR Symposium on IR in Practice (SIRIP)*. In Proceedings of the 44th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '21). Association for Computing Machinery, New York, NY, USA, 2627–2628.
- 2016 Jang, M., Foley, J., Dori-Hacohen, S. & Allan, J. Probabilistic Approaches to Controversy Detection, *Proc. of the ACM International Conference on Information and Knowledge Management (CIKM)*.
- 2016 Dori-Hacohen, S., Jensen, D., and Allan, J., Controversy Detection in Wikipedia Using Collective Classification, *Proc. of the 39th Annual ACM SIGIR Conference (SIGIR)*.
- 2013 Dori-Hacohen, S., Allan, J., Detecting Controversy on the Web. *Proc. of the ACM International Conference on Information and Knowledge Management (CIKM)*.

Peer-Reviewed Panels

- 2022 S. Dori-Hacohen & Hale, S. A. “Information Ecosystem Threats in Minoritized Communities: Challenges, Open Problems and Research Directions,” *SIGIR Symposium on IR in Practice (SIRIP)*. *Proceedings of the 45th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR)*.

Peer-Reviewed Workshop Papers & Posters

- 2024 **Parikh, A.**, Dori-Hacohen, S. ClaimCompare: A Data Pipeline for Evaluation of Novelty Destroying Patent Pairs. *PatentSemTech Workshop at ACM SIGIR 2024*.
- 2023 **Kierans, A.**, Hazan, H., Dori-Hacohen, S. Quantifying Misalignment Between Agents. *Safe and Trustworthy AI Workshop at ICLP 2023*. **Best Poster Award**.
- 2023 Jafari, N., Sarwar, S. M., Allan, J., Sung, K., Dori-Hacohen, S., and Rattigan, M. CoMID: COVID-19 Misinformation Alignment Detection Using Content and User Data. *2nd Workshop on Novel Evaluation Approaches for Text Classification Systems (NEATCLasS) at ICWSM 2023*.
- 2022 **Kierans, A.**, Hazan, H., Dori-Hacohen, S. Quantifying Misalignment Between Agents. *Machine Learning Safety Workshop at NeurIPS 2022*. **AI Risk Analysis Award**.
- 2022 Bucknall, B., Dori-Hacohen, S. Near-Term AI as an Existential Risk Factor. *The AAAI's Workshop on Artificial Intelligence Safety (SafeAI 2022)*.
- 2021 Dori-Hacohen, S., Montenegro, R., Murai, F., Hale, S. A., Sung, K., Blain, M., & Edwards-Johnson, J. Fairness via AI: Bias Reduction in Medical Information. *The 4th FAccTRec Workshop on Responsible Recommendation at RecSys 2021*.
- 2019 Dori-Hacohen, S., Brondwine, E., and Gollehon, J. Squabble: an efficient, scalable controversy classifier. *NewsIR 2019: 3rd International Workshop on Recent Trends in News Information Retrieval, SIGIR 2019 Workshop*.

- 2015 Dori-Hacohen, S. Controversy Detection and Stance Analysis. Doctoral Consortium, *Proc. of the 38th Annual ACM SIGIR Conference (SIGIR 2015)*.
- 2015 Dori-Hacohen, S., Yom-Tov, E., and Allan, J. Navigating Controversy as a Complex Search Task. *Supporting Complex Search Tasks, ECIR 2015 Workshop*.

Patents

- 2023 Sung, K., Dori-Hacohen, S., Lustig-Gonzalez, J., Chou, J. Methods and Systems for Redaction and Display of Topic-filtered Data. US Patent App. 17/872,975.
- 2021 Dori-Hacohen, S., Bong, D.C., Sankary, N. Proficiency Assessment and Instructional Feedback Using Explainable Artificial Intelligence. U.S. Patent Application 17/530,416.
- 2019 Jang, M., Dori-Hacohen, S., and Allan, J., University of Massachusetts, 2019. Modeling Controversy Within Populations. U.S. Patent Application 16/367,734.
- 2019 Dori-Hacohen, S., Allan, J., Foley, J. and Jang, M.H., University of Massachusetts, 2019. Methods for automated controversy detection of content. U.S. Patent Application 16/339,234.

Shared Task - Peer Reviewed Technical Reports

- 2022 **Shliselberg, M.** & Dori-Hacohen, S. RIET Lab at CheckThat! 2022: Improving Decoder based Re-ranking for Claim Matching. *CheckThat! Lab on Fighting the COVID-19 Infodemic and Fake News Detection. Proceedings of the Working Notes of CLEF 2022 - Conference and Labs of the Evaluation Forum, pgs. 671-678.*
Our submission to the CheckThat! Lab Tweet-Claim Matching task (task 2A) placed first in the competition.

Technical Reports (non-refereed)

- 2021 Sung, K., Chou, J., Lustig-Gonzalez, J., and Dori-Hacohen, S. “Parler’s Swan Song: preliminary insights into 672k comments from 291k users in Parler’s final six days.” Coauthored Blog Post. Available at: <https://www.aucode.io/blog>
- 2020 Anber, H., Avula, S., Biega, A., Boteanu, A., Chatterjee, S., Dalton, J., Dietz, L., Dori-Hacohen, S., Foley, J., Field, H., Gamari, B., Jones, R., Kanani, P., Kashyapi, S., Machmouchi, W., Mitra, B., Mitsui, M., Nole, S., Tachard Passos, A., Pickens, J., Ramsdell, J., Roegiest, A., Smith, D., and Sordoni, A. Report on the First HIPstIR Workshop on the Future of Information Retrieval. In *ACM SIGIR Forum* (2020).
- 2019 Albakour, D., Martinez, M., Tippmann, S., Aker, A., Stray, J., Dori-Hacohen, S., and Barrón-Cedeño, A. Third International Workshop on Recent Trends in News Information Retrieval (NewsIR’19). In *Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval*, pp. 1429-1431.
- 2017 Dietz, L., Brondwine, E., Dori-Hacohen, S., & Voorhees, E. Women in IR. In *ACM SIGIR Forum*, 50(2), pp. 15-17. ACM.

Under Review

Kierans, A., Ghosh, A., Hazan, H., Dori-Hacohen, S. Quantifying Misalignment Between Agents. *Submitted to AAAI 2025; Under Review.*

Fellowships, Scholarships and Honors

- 2023 D-30 Disability Impact List Honoree. Selected among 270 nominations.
- 2023 Best Poster Award. Workshop on Safe and Trustworthy AI (STAI) at 39th International Conference on Logic Programming (ICLP).
- 2022 AI Risk Analysis Award. Machine Learning Safety Workshop (MLSafety) at Thirty-sixth Annual Conference on Neural Information Processing Systems (NeurIPS'22).
- 2020 Semi-Finalist, MassChallenge FinTech.
- 2019 Female Founder Fellow, The Capital Network.
- 2017 Top 5 Startup, Minute 2 Pitch It Event, MassChallenge Israel.
- 2017 Finalist, MassChallenge Israel.
- 2017 Graduate School Dissertation Writing Fellowship. 1/23-5/11/17. \$11,750.
- 2014 ACM Student Research Competition, Grace Hopper Celebration of Women in Computing.
- 2014 Bridgewater Associates Scholarship to attend the Grace Hopper Celebration of Women in Computing.
- 2011 Google Lime Scholarship for Students with Disabilities. \$10,000.
- 2011 Honorable Mention, Jacobs School of Engineering 30th Annual Research Expo, University of California, San Diego.
- 2009–2011 Jacobs School Alumni Fellowship, Jacobs School of Engineering, University of California, San Diego. \$69,000.
- 2006 H. Eckstein Excellence Scholarship for Graduate Students, Wolf Foundation - to promote science and art for the benefit of mankind, Israel, 2006.
- 2005 Top Student Recognition Event, IBM EMEA, Stuttgart, Germany, 2005.
- 2005 Exceptional Achievement Fellowship for Masters Students, Graduate School, University of Haifa, Israel.
- 2004 Excellence Fellowship for Masters Students, Department of Computer Science, University of Haifa, Israel.
- 2004 Excellence Encouragement Scholarship for Masters studies, Graduate School, University of Haifa, Israel, 2004.

Teaching at UCONN

| Semester | Course No. | Course Name | Level | Credits |
|-------------|-----------------------------------|---|-------|---------|
| Spring 2024 | CSE 4/5095; ENGR 3195/ 5300 | Special Topics in Research-Based Entrepreneurship | UG+G | 3 |

| | | | | |
|-------------|-----------|---|------|---|
| Fall 2023 | CSE 5095 | Special Topics in Sociotechnical AI Alignment | G | 3 |
| Fall 2023 | UNIV 3088 | Special Topics: Exploring the Entrepreneurial Perspective. <i>Course Contributor.</i> | UG | 1 |
| Fall 2022 | CSE 5910 | Information Ecosystem Threats. <i>Instructor On Record; with Nila Mandal.</i> | G | 3 |
| Spring 2022 | CSE 5095 | Special Topics in Research-Based Entrepreneurship | UG+G | 3 |
| Fall 2021 | CSE 5095 | Special Topics in Information Ecosystem Threats | G | 3 |

Previous Teaching Experience

Graduate Courses

From Entrepreneurial Research to Research-Based Entrepreneurship. The Department of Information and Knowledge Management, University of Haifa. 2018.

Advanced Data Structures. Teaching Assistant, Department of Computer Science, University of Haifa. 2006.

Undergraduate Courses

Applications in Ubiquitous Computing. Teaching Assistant, Department of Computer Science and Engineering, University of California, San Diego. 2010.

Data Structures. Teaching Assistant (TO-equivalent), Department of Computer Science, University of Haifa, Haifa, Israel. 2004 – 2006.

Database Management Systems. Teaching Assistant (TO-equivalent), Department of Computer Science, University of Haifa, Haifa, Israel. 2004 – 2006.

Other Professional Experience

2021 - 2023 Founder & Executive Chairwoman, Automated Controversy Detection, Inc. (AuCoDe).

2019 – 2021 Principal, SDH Consulting.

2016 – 2021 CEO and Founder, Automated Controversy Detection (AuCoDe).

2011 – 2017 Research Assistant, Center for Intelligent Information Retrieval, College of Information and Computer Sciences, University of Massachusetts, Amherst.

2015 Intern, Facebook, Software Engineering. News Search Team. Seattle, WA.

2013 Intern, Google, Software Engineering. Local Search Team. New York, NY.

2012 – 2013 Student Ambassador to University of Massachusetts Amherst, Google.

2010 – 2011 Intern, Software Engineering and Community Moderator, The Motley Fool (www.fool.com). Alexandria, VA.

2009 – 2011 Research Assistant, Department of Computer Science and Engineering, University of California, San Diego, CA.

- 2008 – 2009 Research Staff Member, IBM Haifa Research Lab, Haifa, Israel.
- 2006 – 2007 Software Engineer, Answers.com. Jerusalem, Israel.
- 2004 – 2006 Research Assistant, Department of Computer Science, University of Haifa, Haifa, Israel. Affiliated with the Caesarea Rothschild Institute for Interdisciplinary Applications of Computer Science.
- 2003 – 2004 Researcher and Developer, IBM Haifa Research Lab, Haifa, Israel. Software Asset Management Group.

Media Appearances

- 2023 Radio Interview, Good Morning Israel, Galei Zahal (in Hebrew). Interviewed as University of Connecticut faculty member and AI expert in response to the White House convening leading AI companies and announcing voluntary commitments on AI Safety.
- 2023 Center for AI Safety. Statement on AI Risk. Top 100 Signatory on letter warning of human extinction risk. Available at: <https://www.safe.ai/statement-on-ai-risk>
- 2023 Paul, K. et al. “Letter signed by Elon Musk demanding AI research pause sparks controversy.” The Guardian. Quoted as AI and disinformation expert about my paper cited in the March 2023 FLI Open Letter calling for a 6 month pause on AI development. Available at: <https://www.theguardian.com/technology/2023/mar/31/ai-research-pause-elon-musk-chatgpt>
- 2023 Coulter, M. “AI experts disown Musk-backed campaign citing their research.” Reuters. Interviewed as AI expert after my coauthored paper, “Current and Near-Term AI as a Potential Existential Risk Factor,” was cited in the AI Open Letter released by the Future of Life Institute (co-signed by leading AI researchers and Elon Musk). My work was subsequently featured in tens of other publications including The Guardian, US News, The Globe and Mail, Yahoo Finance, and Fox Business. Available at: <https://www.reuters.com/technology/ai-experts-disown-musk-backed-campaign-citing-their-research-2023-03-31/>
- 2022 Tunick, B.E. “Spotify: Joe Rogan controversy and subscription issues hitting stock hard.” The Armchair Trader. Interviewed as disinformation expert regarding Spotify’s response to disinformation podcaster Joe Rogan. Available at: <https://www.thearmchairtrader.com/spotify-stock-price-forecast-february-joe-rogan/>
- 2022 McCarthy, C. “In health care, many AI developers are white men. [Health Science Center] is trying to diversify the field.” Fort Worth Star-Telegram. Interviewed as expert on bias in AI and AI in healthcare. Available at: <https://www.star-telegram.com/news/local/crossroads-lab/article254627992.html>

- 2021 Segal, E. “Facebook Heavily Criticized At Senate Hearing On Mental Health And Instagram Kids Issues.” Forbes. Interviewed as University of Connecticut faculty member in response to Facebook Senate Hearing amid calls to regulate the social media giant. Available at: <https://www.forbes.com/sites/edwardsegal/2021/09/30/facebook-heavily-criticized-at-senate-hearing-on-mental-health-and-instagram-kids>
- 2021 Segal, E. “McDonald’s Shows Why Perspective Is Important Before Responding To A Crisis.” Forbes. Interviewed as University of Connecticut faculty member in response to rumors of McDonald’s FTC investigation. Available at: <https://www.forbes.com/sites/edwardsegal/2021/09/06/mcdonalds-shows-why-perspective-is-important-before-responding-to-a-crisis/>
- 2021 AuCoDe & UConn Department of Computer Science and Engineering. “Dori-Hacohen joining UConn School of Engineering, transitions to CSO and Chair of Board of Startup.” Joint Press Release. Available at: <https://news.engr.uconn.edu/dori-hacohen-joining-uconn-school-of-engineering-transitions-to-cso-and-chair-of-board-of-startup.php>
- 2020 University of Massachusetts Amherst News & Media Relations. AI Startup AuCoDe Receives \$1 Million Grant to Tackle Online Disinformation. Available at: <https://www.umass.edu/newsoffice/article/ai-startup-aucode-receives-1-million-grant>
- 2018 Rosen, A. “Online hate is spreading, and Internet platforms can’t stop it.” Boston Globe. Interviewed as CEO of AuCoDe in response to Tree of Life shooting. Available at: <https://www.bostonglobe.com/business/2018/11/01/technology-has-fix-for-hate-spreading-online/Y21Ie5oh3aFa0grWIw1JSN/story.html>
- 2017 University of Massachusetts Amherst Foundation. “Understanding Controversy.” Aspire Report, Fall 2017. Interviewed as CEO of AuCoDe. Available at: https://www.umass.edu/giving/sites/default/files/aspire_fall2017_upload_lowres2.pdf

Technical Talks

Invited Keynote Talks

- 07/2023 Novelty-Destroying Claims: a crucial and underexplored problem in Patent Search. With Jake Winter, PatentPlus. PatentSemTech workshop at SIGIR 2023. *Canceled due to health and accessibility challenges.*

Invited Technical Talks

- 06/2024 Reducing Biases towards Minoritized Populations in Medical Curricular Content via AI for Fairer Health Outcomes. Computer Science Department, University of Haifa. Haifa, Israel.
- 11/2023 Transgranular Entity Alignment Framework. Sociotechnical AI Safety workshop, Stanford University, CA.
- 06/2023 Quantifying Misalignment Between Agents. Computer Science and Engineering Department, University of California at Santa Cruz.

- 10/2022 Quantifying Misalignment Between Agents. NSF-sponsored workshop on Provably Safe and Beneficial AI. NSF Convergence Accelerator program. Center for Human-Compatible Artificial Intelligence, Computer Science Department, University of California at Berkeley.
- 09/2022 Fairness via AI: Bias Reduction in Medical Information. WiSFiRE 2022: Women in STEM Frontiers in Research Expo. Storrs, Connecticut, USA.
- 02/2022 Quantifying Misalignment Between Agents. The AAAI's Workshop on Artificial Intelligence Safety (SafeAI 2022). Virtual.
- 03/2021 Modeling Controversy Within Populations. The Open Media and Information Lab (OMILab), Digital Humanities and Social Sciences, The Open University of Israel.
- 03/2021 Controversy Analysis and Detection: Modeling Controversy Within Populations. Computer Science Department. University of Connecticut.
- 03/2021 Controversy Analysis and Detection: Modeling Controversy Within Populations. Department of Software and Information Systems. University of North Carolina Charlotte.
- 02/2021 Controversy Analysis and Detection: Modeling Controversy Within Populations. Department of Computer Science, Clark University.
- 10/2019 Controversy Analysis and Detection: Modeling Controversy Within Populations. Spotify Research, Boston, MA.
- 05/2018 Controversy Analysis and Detection: Modeling Controversy Within Populations. University of Glasgow, Glasgow, UK.
- 12/2017 Controversy Detection in Wikipedia Using Collective Classification. Signal Media, London, UK.
- 01/2017 Artificial Intelligence Meets Content Controversy Detection. AI IL Meetup, Tel Aviv, Israel.
- 01/2017 Popping the Filter Bubble: Analyzing Controversy on the Internet. The Public Knowledge Workshop, Google Campus, Tel Aviv, Israel.
- 08/2016 Controversy Detection in Wikipedia Using Collective Classification. AOL Relevance, Haifa, Israel.
- 08/2016 Controversy Detection in Wikipedia Using Collective Classification. Yahoo Research, Haifa, Israel.
- 07/2016 Controversy Detection in Wikipedia Using Collective Classification. IBM Research, Tel Aviv, Israel.
- 09/2015 Detecting Sentiment in Real Time News. Facebook, Seattle, Washington.
- 01/2015 Automated Controversy Detection on the Web. University of Haifa, Haifa, Israel.
- 07/2014 Detecting Controversy on the Web, Yahoo Research, Haifa, Israel.
- 07/2014 Detecting Controversy on the Web, IBM Research, Tel Aviv, Israel.
- 11/2013 Detecting Controversy on the Web, Google.org, Washington, D.C.
- 11/2013 "Consumer Health Trends: Shaping Behavior One Step at a Time", Invited Panelist. UXPA Connecticut's World Usability Day, Connecticut.

Invited Technical Panels

- 05/2024 Invited panelist. “AI and Bias in Healthcare,” UConn Center for mHealth and Social Media 8th annual conference, virtual.
- 06/2023 Moderator. “What AI safety should learn from FAccT (and why),” Center for Human-Compatible Artificial Intelligence annual conference, Asilomar, California.

Contributed Technical Talks

- 06/2020 Passing the Turing Test: When, Why and How. Level 3 AI Assistant Conference, Virtual. Available at:
https://www.youtube.com/watch?v=2QcYf8_UvgE.

Academic Activities

- 2024 Program Committee, Workshop on Responsible Recommendation (FAccTRec) at RecSys 2024.
- 2024 Program Committee, AAAI/ACM Conference on AI, Ethics, and Society (AIES 2024)
- 2024 Reviewer, ACM Transactions on Information Systems Journal.
- 2024 Program Committee, ACM Conference on Fairness, Accountability, and Transparency (FAccT).
- 2023 Senior Program Committee Member, European Conference on Information Retrieval (ECIR).
- 2022 Proceedings Chair, The 4th Multidisciplinary International Symposium on Disinformation in Open Online Media (MISDOOM).
- 2022 Program Committee, ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD).
- 2022 Program Committee, ACM International Conference on Web Search and Data Mining (WSDM).
- 2022 Program Committee, European Conference on Information Retrieval (ECIR) Doctoral Consortium.
- 2021 Program Committee, ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR 2022).
- 2021 Program Committee, European Conference on Information Retrieval (ECIR).
- 2019 Co-organizer, Third International Workshop on Recent Trends in News Information Retrieval (NewsIR), SIGIR 2019 Workshop.
- 2017 Reviewer, Information Retrieval Journal (now: Discover Computing).
- 2016 Program Committee, ACM International Conference on Web Search and Data Mining (WSDM).
- 2016 Program Committee, European Conference on Information Retrieval (ECIR) Workshop.
- 2016 Student Volunteer, ACM SIGKDD Conference On Knowledge Discovery And Data Mining (KDD).
- 2015 Program Committee, ACM International Conference on Web Search and Data Mining (WSDM).

- 2015 Student Volunteer, ACM SIGIR International Conference on the Theory of Information Retrieval (ICTIR).
- 2014 Reviewer, ACM Transactions on the Web (TWEB) Journal.

Outreach

Leadership Roles

- 2023–date Founder, Disabled In Computing.
- 2015–2016 Co-founder, Women in Information Retrieval.
- 2013 Founding committee member, Graduate Women in STEM, University of Massachusetts Amherst, MA.

Volunteer Roles

- 2023–date ACM US Technology Policy Committee. Accessibility Subcommittee.
- 2024 Mentor, SIGIR Student Luncheon, ACM SIGIR, Washington D.C.
- 2023 Speaker, “Disabled in Computing,” SIGIR DEI Event, Taipei, Taiwan (attending virtually).
- 2023 Mentor, WiSFiRE 2023: Women in STEM Frontiers in Research Expo. Storrs, Connecticut, USA.
- 2023 Invited Panelist, “Transitioning to industry,” Graduate Society of Women Engineers, University of Connecticut, Storrs, CT.
- 2022 Mentor, WiSFiRE 2022: Women in STEM Frontiers in Research Expo. Storrs, Connecticut, USA.
- 2022 Mentor, SIGIR Student Luncheon, ACM SIGIR, Madrid, Spain.
- 2021 Invited Speaker, “The Visibility to Disability in Entrepreneurship,” HealthTech 4 Medicaid Entrepreneurial Listening Hour.
- 2021 Invited Panelist, Data Science Professional Development panel, Central Massachusetts Women in Data Science (WiDS) Conference. Worcester, MA (virtual).
- 2020 Keynote Speaker, Giving in Networking and Negotiation: Adding Value to Others for Fun and Profit. ULaunch UMass. Amherst, MA.
- 2020 Workshop Instructor, Giving in Networking and Negotiation: Adding Value to Others for Fun and Profit. Hack(H)er413. Amherst, MA.
- 2017 Workshop Instructor, Giving in Networking and Negotiation: Adding Value to Others for Fun and Profit. Women Techmakers, Tel Aviv, Israel.
- 2016 Speaker, Giving in Networking and Negotiation: Adding Value to Others for Fun and Profit. Grace Hopper Celebration of Women in Computing, Houston, TX.
- 2016 Invited Panelist, How to Succeed in Graduate School: Advice from Outstanding Students, University of Massachusetts Amherst, MA.
- 2015 Nominee, Anita Borg Institute Board of Trustees. Nominated by over 200 professionals in the tech industry and academia.

- 2015 Speaker, Giving in Networking and Negotiation: Adding Value to Others for Fun and Profit. College of Information and Computer Sciences, University of Massachusetts Amherst, MA.
- 2014 Reviewer, NCWIT Award for Aspirations in Computing, National Center for Women & Information Technology (NCWIT).
- 2014 Discussant, “Stuck in the Shallow End: Education, Race, and Computing” Book Discussion with author Jane Margolis, Expanding Computer Education Pathways (ECEP), University of Massachusetts Amherst, MA.
- 2013 Mentor, Girls Connect with LEGO NXT Robots, Commonwealth Alliance for Information Technology Education (CAITE), University of Massachusetts Amherst, MA.
- 2013 Mentor discussion leader, Women in Engineering and Computing Career Day, Commonwealth Alliance for Information Technology Education (CAITE), University of Massachusetts Amherst, MA.
- 2011–2012 Moderator, Wearable Electronics Events, Department of Computer Science, University of Massachusetts Amherst, MA.
- 2010 Robot Judge for Southern California Qualifiers: FIRST Lego League. University of California, San Diego, CA.