

Michael D. Ekstrand, Ph.D

Dept. of Computer Science
Boise State University
1910 University Drive
Boise, ID 83725-2055

michaielekstrand@boisestate.edu
<https://md.ekstrandom.net>
<https://piret.info>
+1 (208) 426-5761

E D U C A T I O N

Ph.D (2014) Computer Science, University of Minnesota, Minneapolis, MN.
B.S. (2007) Computer Engineering, Iowa State University, Ames, IA.

A P P O I N T M E N T S

2022–present Associate Professor, Dept. of Computer Science, Boise State University
2016–2022 Assistant Professor, Dept. of Computer Science, Boise State University
2014–2016 Assistant Professor, Dept. of Computer Science, Texas State University

T E A C H I N G

- ▶ CS 230 (Ethical Issues in Computing)
- ▶ CS 533 (Introduction to Data Science)
- ▶ CS 538 (Recommender Systems)
- ▶ CS 410 / CS 510 (Databases)
- ▶ Recommender Systems specialization on Coursera

S E L E C T E D P U B L I C A T I O N S

Author formatting key: **myself**, [advised student](#), [other Boise State student](#).

Michael D. Ekstrand, Anubrata Das, Robin Burke, and Fernando Diaz. **“Fairness in Information Access Systems”**. Foundations and Trends® in Information Retrieval **16**(1–2) (July 2022), 1–177. DOI 10.1561/1500000079.

[Amifa Raj](#)[†] and **Michael D. Ekstrand**. **“Measuring Fairness in Ranked Results: An Analytical and Empirical Comparison”**. In Proceedings of the 45th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '22). pp. 726–736. DOI 10.1145/3477495.3532018.

Michael D. Ekstrand and Daniel Kluver. **“Exploring Author Gender in Book Rating and Recommendation”**. User Modeling and User-Adapted Interaction **31**(3) (February 2021), 377–420. DOI 10.1007/s11257-020-09284-2.

Ömer Kirnap[†], Fernando Diaz, Asia J. Biega, **Michael D. Ekstrand**, Ben Carterette, and Emine Yılmaz. **“Estimation of Fair Ranking Metrics with Incomplete Judgments”**. In Proceedings of The Web Conference 2021 (TheWebConf 2021). ACM. DOI 10.1145/3442381.3450080.

Fernando Diaz[†], Bhaskar Mitra, **Michael D. Ekstrand**, Asia J. Biega, and Ben Carterette. **“Evaluating Stochastic Rankings with Expected Exposure”**. In Proceedings of the 29th ACM International Conference on Information and Knowledge Management (CIKM '20). ACM, pp. 275–284. DOI 10.1145/3340531.3411962.

- Michael D. Ekstrand**[†]. “**LensKit for Python: Next-Generation Software for Recommender Systems Experiments**”. In Proceedings of the 29th ACM International Conference on Information and Knowledge Management (CIKM '20, Resource track). ACM, pp. 2999–3006. DOI 10.1145/3340531.3412778.
- Michael D. Ekstrand**, Katherine Landau Wright, and Maria Soledad Pera. “**Enhancing Classroom Instruction with Online News**”. *Aslib Journal of Information Management* **72**(5) (June 2020), 725–744. DOI 10.1108/AJIM-11-2019-0309.
- Michael D. Ekstrand**[†], [Mucun Tian](#), [Jon Madrazo Azpiazu](#), [Jennifer D. Ekstrand](#), [Oghenemaro Anuyah](#), [David McNeill](#)[§], and Maria Soledad Pera. “**All The Cool Kids, How Do They Fit In?: Popularity and Demographic Biases in Recommender Evaluation and Effectiveness**”. In Proceedings of the 1st Conference on Fairness, Accountability and Transparency (FAT* 2018). PMLR, Proceedings of Machine Learning Research **81**:172–186.
- Michael D. Ekstrand**[†], [Rezvan Joshaghani](#), and Hoda Mehrpouyan[†]. “**Privacy for All: Ensuring Fair and Equitable Privacy Protections**”. In Proceedings of the 1st Conference on Fairness, Accountability and Transparency (FAT* 2018). PMLR, Proceedings of Machine Learning Research **81**:35–47.
- Michael D. Ekstrand**[†] and Martijn C. Willemsen. “**Behaviorism is Not Enough: Better Recommendations through Listening to Users**”. In Proceedings of the Tenth ACM Conference on Recommender Systems (RecSys '16, Past, Present, and Future track). ACM. DOI 10.1145/2959100.2959179.
- Michael D. Ekstrand**[†], Daniel Kluver, F. Maxwell Harper, and Joseph A. Konstan. “**Letting Users Choose Recommender Algorithms: An Experimental Study**”. In Proceedings of the 9th ACM Conference on Recommender Systems (RecSys '15). ACM. DOI 10.1145/2792838.2800195.
- Michael D. Ekstrand**[†], F. Maxwell Harper, Martijn C. Willemsen, and Joseph A. Konstan. “**User Perception of Differences in Recommender Algorithms**”. In Proceedings of the 8th ACM Conference on Recommender Systems (RecSys '14). ACM. DOI 10.1145/2645710.2645737.
- Joseph A. Konstan, J.D. Walker, D. Christopher Brooks, Keith Brown, and **Michael D. Ekstrand**. “**Teaching Recommender Systems at Large Scale: Evaluation and Lessons Learned from a Hybrid MOOC**”. *Transactions on Computer-Human Interaction* **22**(2) (April 2015). DOI 10.1145/2728171.
- Michael D. Ekstrand**[†], Michael Ludwig, Joseph A. Konstan, and John T. Riedl. “**Rethinking The Recommender Research Ecosystem: Reproducibility, Openness, and LensKit**”. In Proceedings of the Fifth ACM Conference on Recommender Systems (RecSys '11). ACM, pp. 133–140. DOI 10.1145/2043932.2043958.
- Michael D. Ekstrand**, John T. Riedl, and Joseph A. Konstan. “**Collaborative Filtering Recommender Systems**”. *Foundations and Trends® in Human-Computer Interaction* **4**(2) (February 2011), 81–173. DOI 10.1561/1100000009.
- Michael Ekstrand**[†], Wei Li, Tovi Grossman, Justin Matejka, and George Fitzmaurice. “**Searching for Software Learning Resources Using Application Context**”. In Proceedings of the 24th Annual ACM Symposium on User Interface Software and Technology (UIST '11). ACM, pp. 195–204. DOI 10.1145/2047196.2047220.

R E S E A R C H F U N D I N G

- ▶ 2018–2023: NSF award 1751278, \$482,081: CAREER: User-Based Simulation Methods for Quantifying Sources of Error and Bias in Recommender Systems. Received \$16K REU supplements in 2020 and 2021.
- ▶ 2017: \$19K Boise State College of Education Civility Grant LITERATE: Locating Informational Texts for Engaging Readers And Teaching Equitably (co-PI; with PI Katherine Wright & co-PI Sole Pera)
- ▶ 2014: Texas State University Research Enhancement Program (competitive)

P R O F E S S I O N A L S E R V I C E & M E M B E R S H I P S

- ▶ Senior Member, Association for Computing Machinery
- ▶ Co-organizer, TREC 2019–2021 Track on Fairness in Information Retrieval
- ▶ ACM Conference on Recommender Systems (Program Co-chair 2022, General Co-chair 2018, Steering Committee & SPC member)
- ▶ Conference on Fairness, Accountability, and Transparency (FAccT) (Executive Committee 2020–2022, Steering Committee 2017–present, Network Co-chair, PC 2017–present)
- ▶ Organizer, FATREC Workshop on Responsible Recommendation at RecSys 2017/2018/2020
- ▶ Senior PR member for RecSys & WWW; regular PC for SIGIR, FAccT, UMAP
- ▶ Reviewer for multiple journals, incl. TOIS, TWEB, TKDD, TIIS, TDSC, TKDE, PLOS ONE, and UMUI