Dakota S. Murray

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Current position

Associate Instructor, School of Informatics, Computing, and Engineering, Bloomington

Areas of specialization

Science of Science • Data Science • Science and Technology Studies • Scholarly Communication

Education

2012-present
Ph.D. in Informatics, *Computing, Culture, and Society*, Doctoral minor in Statistics
advisor: Dr. Cassidy R. Sugimoto
School of Informatics, Computing, and Engineering
Indiana University Bloomington

2012-2016
B.S. in Computer Science
advisor: Dr. Mitch Parry
Summa Cum Laude and with departmental honors
Appalachian State University

Appointments and employment

2018-present
Associate Instructor
School of Informatics, Computing, and Engineering, Indiana University Bloomington

2016-2018
Research Assistant
School of Informatics, Computing, and Engineering, Indiana University Bloomington

2015-2016
Research Assistant
Department of Computer Science, Appalachian State University

2015
NIFS Student Intern
NASA Langley Research Center

2013
Web Developer/Research Assistant
Department of Computer Science, Appalachian State University

Publications

Journal articles

2018
Robinson-García, N., Sugimoto, C. R., **Murray, D.**, Yegros-Yegros, A., Larivière, V., *&* Costas, R. (2018). Scientific mobility indicators in practice: International mobility profiles at the country

level. El Profesional de La Información, 27(3), 511. https://doi.org/10.3145/epi.2018.may.05

2018   Robinson-Garcia, N., Sugimoto, C. R., **Murray, D.**, Yegros-Yegros, A., Larivière, V., & Costas, R. (2018). Scientific mobility indicators in practice: International mobility profiles at the country level. El Profesional de La Información, 27(3), 511. https://doi.org/10.3145/epi.2018.may.05

2018   Bu, Y., Ding, Y., Liang, X., & **Murray, D. S.** (2018). Understanding persistent scientific collaboration. Journal of the Association for Information Science and Technology, 69(3), 438–448. https://doi.org/10.1002/asi.23966

2018   Bu, Y., **Murray, D. S.**, Ding, Y., Huang, Y., & Zhao, Y. (2018). Measuring the stability of scientific collaboration. Scientometrics, 114(2), 463–479. https://doi.org/10.1007/s11192-017-2599-0

2018   Chinchilla-Rodríguez, Z., Miao, L., **Murray, D.**, Robinson-García, N., Costas, R., & Sugimoto, C. R. (2018). A Global Comparison of Scientific Mobility and Collaboration According to National Scientific Capacities. Frontiers in Research Metrics and Analytics, 3. https://doi.org/10.3389/frma.2018.00017

2017   Sugimoto, C. R., Robinson-Garcia, N., **Murray, D. S.**, Yegros-Yegros, A., Costas, R., & Larivière, V. (2017). Scientists have most impact when they're free to move. Nature, 550(7674), 29–31. https://doi.org/10.1038/550029a

Indexed conference proceddings

2017   Das, S., Goard, J., & **Murray, D.** (2017), How Celebrities Feed Tweeples with Personal and Promotional Tweets: Celebrity Twitter Use and Audience Engagement. In Proceedings of the 8th International Conference on Social Media and Society (pp. 30:1–30:5). New York, NY, USA: ACM. https://doi.org/10.1145/3097286.3097316

Other publications

2018   Cassidy R. Sugimoto, **Dakota S. Murray**, and Vincent Larivière (April 26, 2018), "Open citations to open science", *ISSI Blog*. Available at http://www.issi-society.org/blog/posts/2018/april/open-citations-to-open-science/

2017   Rodrigo Costas, Alfredo Yegros, Vincent Larivière, Cassidy Sugimoto, Nicolas Robinson-Garcia, **Dakota S. Murray** (October 5, 2017), "The global scientific brain: Policy implications of barriers to scientific mobility", *CWTS Blog*. Available at https://www.cwts.nl/blog?article=n-r2r284

Conference works & talks

Refereed conference works

2017   **Murray, D.**, Zhou, H., Minik, V., Larivière, V., Sugimoto, C. R., (2017). Are Great Researchers Terrible Teachers? How research and teaching performance relate at U.S. universities. ISSI2017. Wuhan, China

2017   Robinson-Garcia, N., Sugimoto, C.R., **Murray, D.**, Yegros-Yegros, A., Lariviere, V., & Costas, R. (2017). Unveiling the multiple faces of mobility: Towards a taxonomy of scientific mobility types

based on bibliometric data. STI2017. Paris, France.

2017   Chinchilla-Rodriguez, Z., Miao, L., **Murray, D.**, Robinson-Garcia, N., Costas, R., & Sugimoto, C.R. (2017). A large-scale comparison of the position of countries in international collaboration and mobility according to their scientific capacities. STI2017. Paris, France.

2017   **Murray, D.**, Sugimoto, C.R., & Lariviere, V. (2017). A balanced portfolio? The relationship between gender and funding for US academic professors. STI2017. Paris, France.

2017   Miao, L., **Murray, D.**, Chinchilla-Rodriguez, Z., Lariviere, V., & Sugimoto, C.R. (2017). Glass boundaries: Differences in interdisciplinarity between men and women. STI2017. Paris, France.

Panels and workshops

2018   Zaida Chinchilla-Rodríguez, presented by **Dakota Murray** , (2018)Moving on up: the relationship between international mobility and global leadership. 4S, Sydney, Australia

2018   Cassidy Sugimoto, **Dakota Murray**, & Vincent Larivière, Accepted open panel, *The Global Scientific Brain: International Mobility of the Scientific Workforce*, 4S Sydney, Sydney, Australia

Grants, honors & awards

Grants and other funding

2017-2018   IDEASc fellowship, sponsored by IMLS
2017   Cross-track collaboration grant, School of Informatics, Computing, and Engineering

Academic awards

2016   Graduated B.S. *Summa Cum Laude* and with departmental honors
2012-2016   Chancellor's List (GPA > 3.85) for all semesters attending Appalachian State Univeristy
2012, 2013   NSF Academy of Science Scholarship at Appalachian State University

Honors

2017   Invited participant of Lorentz Center workshop *Rethinking Impact Factors: New Pathways in Journal Metrics*
2015   Undergraduate student usher, representing department of Computer Science at 2015 Fall graduation ceremony at Appalachian State University

Teaching

Indiana University Bloomington

Fall 2018   Associate Instructor, Informatics Capstone I: Design and Development of an Information System

Appalachian State University

2015-2016 Computer Science Tutor, Appalachian State University
2013 Lab Assistant, Computer Science I and II

Guest Lectures

Spring 2018 Invited presenter and discussion leader in the *Introduction to Informatics* course at Indiana University Bloomington

Service

Reviewing

(Year of first review): *Public Library of Science (PLoS) One* (2017); *Journal of Informetrics* (2017); *Journal of the Association for Information Science & Technology* (2017)

School (Indiana Univeristy Bloomington)

2017-2018 Representative, Graduate and Professional Student Government, Indiana University Bloomington
2017 Publicity Chair, Graduate Informatics Student Association, Indiana University Bloomington
2016 Social Chair, Graduate Informatics Student Association, Indiana University Bloomington

Professional organizations

2018 - present Member, Society for the Social Studies of Sciences
2017 - present Member, International Society for Scientometrics and Informetrics

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