

GRETCHEN R. STAHLMAN, PH.D.
Assistant Professor of Library & Information Science
Rutgers, The State University of New Jersey
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EDUCATION

University of Arizona, Tucson, AZ

- **PhD**, Information, May 2020, Dissertation: "Exploring the Long Tail of Astronomy: A Mixed-Methods Approach to Searching for Dark Data"

Clarion University of Pennsylvania, Clarion, PA

- **MS**, Library Science, August 2010

New Mexico Institute of Mining and Technology, Socorro, NM

- **BS**, General Studies, *graduated with honors*, December 2006
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APPOINTMENTS

Rutgers University School of Communication & Information, New Brunswick, NJ

- **Assistant Professor (tenure track)** – *Department of Library & Information Science*
May 2020 – present
 - **Adjunct Assistant Professor** – *Department of Library & Information Science*
September 2019 – May 2020
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PEER REVIEWED JOURNAL ARTICLES

PUBLISHED

Stahlman, G. R. (2022). From nostalgia to knowledge: Considering the personal dimensions of data lifecycles. *Journal of the Association for Information Science and Technology*.

Heidorn, P. B., **Stahlman, G. R.**, & Steffen, J. (2018). Astrolabe: Curating, linking, and computing astronomy's dark data. *The Astrophysical Journal Supplement Series*, 236 (1), 3.

Brooks, C. F., Heidorn, P. B., **Stahlman, G. R.**, and Chong, S. S. (2016). Working beyond the confines of academic discipline to resolve a real-world problem: A community of scientists discussing long-tail data in the cloud. *First Monday*.

CONFERENCE PROCEEDINGS AND POSTERS (* peer reviewed)

***Stahlman, G.R.** (Accepted). On the reliability of funding acknowledgements as research data: Evidence from astronomy. *Proceedings of the Association for Information Science and Technology*. [Poster to be presented at 85th Annual Meeting of the Association for Information Science and Technology]

***Stahlman, G.R.** (2022). Evaluating the (in)accessibility of data behind papers in astronomy. [Paper presented at *International Digital Curation Conference*, June 13-16, 2022]

***Stahlman, G. R.** (2022). Illuminating the characteristics and accessibility of data behind papers. *Bulletin of the American Astronomical Society*, 54(2). [Paper presented at *Library and Information Services in Astronomy IX (LISA 9)*, June 14-18, 2021, Royal Astronomical Society, London, UK]

* Accomazzi, A., Bouquin, D., D'Abrusco, R., Derriere, S., Frey, K., Kern, B., ... & Williams, P. K. (2022). Building the UAT as a community. *Bulletin of the American Astronomical Society*, 54(2). [Paper presented at *Library and Information Services in Astronomy IX (LISA 9)*, June 14-18, 2021, Royal Astronomical Society, London, UK]

Wolbrecht, T., Catricheo, Y., Cramer, C., Fuka, D. R., Lockett, D., Reid, B., ... & Uzzo, S. M. (2021, December). How Virtual Networking Events Can Catalyze Convergence. In *AGU Fall Meeting 2021*. AGU.

Cramer, C., Fuka, D., **Stahlman, G.**, Tuddenham, P., McGranaghan, R., Uzzo, S., Wolbrecht, T.S., Spuck, T., Catricheo, Y. & Zaslavsky, I. (2021, December). NEREID: Converging in the Spaces Between. In *AGU Fall Meeting 2021*. AGU.

Spuck, T. & **Stahlman, G.R.** (2021). Growing the "Network for Earth-space Research Education and Innovation with Data" (NEREID). *Library and Information Services in Astronomy IX (LISA 9)*, June 14-18, 2020, Royal Astronomical Society, London, UK. [Poster Presentation]

* **Stahlman, G. R.**, & Heidorn, P. B. (2020). Mapping the "long tail" of research funding: A topic analysis of NSF grant proposals in the division of astronomical sciences. *Proceedings of the Association for Information Science and Technology*, 57(1), e276.

Stahlman, G.R. (2020). The literature as a gateway to data across domains: Comparing the information behavior of scientists locating data for reuse while reading journal articles. *Ecological Society of America (ESA) Annual Meeting*, August 2-7, 2020. [Poster Presentation]

Cramer, C.B., Uzzo, S.M., Fuka, D., Naum, K., Spuck, T. & Tuddenham, P., eds (2020). *Network for Earth-space Research Education and Innovation with Data (NEREID) NSF Workshop Report*, November 20-22, 2019 [White Paper].

* **Stahlman, G. R.**, & Sheffield, C. (2019). Geoparsing biodiversity heritage library collections: A preliminary exploration. *iConference 2019 Proceedings*. <https://www.ideals.illinois.edu/handle/2142/103357>

* **Stahlman, G.R.**, Heidorn, P.B., Steffen, J. (2018). The Astrolabe Project: Identifying and curating astronomical 'dark data' through development of cyberinfrastructure resources. *EPJ Web of Conferences*, 186, 03003. <https://doi.org/10.1051/epjconf/201818603003>

* Brooks, C., Heidorn, P. B., **Stahlman, G.**, & Chong, S. (2016). Discourses, a community of scientists and long-tail data in the cloud. *AoIR Selected Papers of Internet Research*, 5.

Heidorn, P.B. and **Stahlman, G.R.** (2016). The Astrolabe Project: Cloud-based Curation of Data and Software Using Interdisciplinary Infrastructures. Poster presentation at The Science of Consciousness, Tucson, AZ, April 25-30, 2016.

* Heidorn, P.B., **Stahlman, G.R.**, and Chong, S. (2015). Datasphere at the Biosphere II: Computation and data in the wild. Poster presentation at iConference, Newport Beach, CA, March 25-26, 2015.

* Bhatia, R., et al. (2012). System engineering of the Atacama Large Millimeter/submillimeter Array. *Proceedings of the International Society for Optics and Photonics, volume 8449*. doi: 10.1117/12.926822.

INVITED TALKS

Stahlman, G. (2022). "From curation to convergence: Probing the phases of scientific information", Invited Research Talk. Indiana University Luddy School of Informatics, Computing, & Engineering, Department of Information & Library Science, Bloomington, IN, February 7, 2022.

Stahlman, G.R. (2019). Discovering dark data through the lens of the literature. *Network for Earth-space Research, Education and Innovation with Data (NEREID) Workshop*, November 21, 2019, Green Bank Observatory, Green Bank, WV. <https://sites.google.com/view/nereid2019/>

Stahlman, G.R. (2019). Exploring the Long Tail of astronomy. *Petabytes to Science: Data Inclusion Revolution*, November 6, 2019, Cambridge, MA. <https://petabytestoscience.github.io/workshop-iii>

Stahlman, G. (2019). "Discovering Dark Data Through the Lens of the Scholarly Literature", Invited Research Talk. University of Michigan School of Information, Ann Arbor, MI, February 13, 2019.

Stahlman, G. (2018). "Discovering Data Hidden in the Scholarly Literature", Invited Research Talk. Rutgers School of Communication and Information, New Brunswick, NJ, November 29, 2018.

Heidorn, P.B. & **Stahlman, G.R.** (2018). "Astrolabe: Building on Collaborative Networks", Invited Plenary Talk. ESIP Summer Meeting, Tucson, AZ, July 18, 2018.

Stahlman, G.R. (2017). "Exploring the 'Long Tail' of Astronomy Data through Cyberinfrastructure Development", Invited Colloquia Talk, Center for Digital Society and Data Studies, Tucson, AZ, February 3, 2017.

HONORS

- **2021 SC&I Faculty Service Award**, awarded by Rutgers University Library & Information Science Department, **2021**
 - **Director's List of Outstanding Ph.D. Students**, awarded by University of Arizona School of Information Awards Committee, **May 2019**
 - Admitted to **2019 iConference Doctoral Colloquium, March 31 – April 3, 2019**, Washington, DC
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GRANTS

PRINCIPAL INVESTIGATOR

- **COVID Impact on Scholarly Productivity Faculty Grant** awarded by Rutgers University, New Brunswick Chancellor-Provost and Deans, **May 2021 (\$5,000)**
- **Grant for Individual Faculty Research (GIFR)** awarded by Rutgers University's School of Communication & Information (SC&I) (**\$4,000**): *Discovering data through text: modeling the information behavior of scientists across domains*, **December 2019**
- **Dissertation Research Grant** awarded by University of Arizona Social and Behavioral Sciences Research Institute (SBSRI) (**\$1986**), **March 2018**
- School of Information **PhD Travel Grant (\$800)** awarded for travel to Library and Information Services in Astronomy (LISA VIII) conference in Strasbourg, France, **June 2017**
- **Graduate and Professional Student Council (GPSC) Research and Project Grant** awarded for purchase of equipment (**\$1065**), **December 2014**

CONTRIBUTOR/NAMED PERSONNEL

- **NSF SI2-SSE award #1642446**, 2016-2019, "Visualizing Astronomy Repository Data using WorldWide Telescope Software Systems" (**\$499,997**)
 - **Accelerate for Success Grant**, University of Arizona, January – December 2016 (**\$171,192**)
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FELLOWSHIPS AND OTHER SUPPORT

- **LEADS Fellowship** awarded by LEADS-4-NDP program and Drexel University (**\$5,000**), **Summer 2018**
 - **SBS Summer Dissertation Fellowship** awarded by University of Arizona (\$5,000; declined award to accept LEADS Fellowship)
 - Full scholarship and travel support awarded by National Optical Astronomy Observatory to attend the **La Serena School of Data Science** in La Serena, Chile, **August 2015**
 - **Research Development Fellowship** awarded by University of Arizona Office for Research & Discovery, **2015-2016** academic year
 - Support awarded by National Optical Astronomy Observatory to attend **Thirty Meter Telescope annual science forum**, **June 2015**
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CONFERENCE AND WORKSHOP PRESENTATIONS

Stahlman, G.R. (2021, September 30). Banned books in the history of astronomy. *Banned Books Week 2021*, Rutgers University, New Brunswick, NJ.

Brody S. (Chair), Drabinski, E., Palumbo, L., **Stahlman, G.**, Womack, R. (2021, April 27). *Can you be a Master of Information? An early-career librarian asks the experts about ethics and trends in LIS* [Panel Discussion]. MI Colloquia, Rutgers University, New Brunswick, NJ.

Stahlman, G.R. (2020). Geoparsing Biodiversity Heritage Library collections. *LIS Education and Data Science for the National Digital Platform (LEADS-4-NDP) Forum*, January 24, 2020, Philadelphia, PA.

Stahlman, G.R. (2019). *New Faculty Colloquium*. Rutgers School of Communication and Information, New Brunswick, NJ, September 4, 2019.

Stahlman, G.R. (2018). Text mining for the dark data hidden in astronomical literature. *Computational Social Science Mini-Conference*, October 26, 2018, Tucson, Arizona.

Stahlman, G.R. (2017). Identifying and curating astronomical “dark data” through development of cyberinfrastructure resources. *Library and Information Services in Astronomy VIII (LISA VIII)*, June 7-9, 2017, Strasbourg, France.

Stahlman, G.R. (2016). “Navigating Astronomical Dark Data through Advanced Cyberinfrastructure”, American Astronomical Society Author-Referee Workshops at *Division for Planetary Sciences Annual Meeting and California Institute of Technology*, Pasadena, CA, October 2016.

Heidorn, P.B. and **Stahlman, G.R.** (2016). *Astrolabe Workshop*, July 11-12, 2016, Tucson, AZ.

Heidorn, P.B. and **Stahlman, G.R.** (2015). *Arizona Astronomy Data Hub Workshop*, July 6-7, 2015, Tucson, AZ.

ADDITIONAL SELECTED WRITING (COMMUNITY ENGAGED SCHOLARSHIP)

“Considering the personal dimensions of researchers’ data lifecycles. *Information Matters*, August 11, 2022 (<https://informationmatters.org/2022/08/considering-the-personal-dimensions-of-researchers-data-lifecycles/>)

“Onward for ‘On Tap!’”, *NEREID Blog*, August 25, 2021 (<https://www.earthspacenet.org/post/onward-for-on-tap>)

“NEREID launches new ‘On Tap!’ series to explore earth-space convergence”, *NEREID Blog*, May 15, 2021 (<https://www.earthspacenet.org/post/neraid-launches-new-on-tap-series-to-explore-earth-space-convergence>)

“My experience as a LEADS Fellow with BHL”, *Biodiversity Heritage Library Blog*, September 18, 2018 (<https://blog.biodiversitylibrary.org/2018/09/my-experience-as-a-leads-fellow-with-bhl.html>)

“Chile launches bi-lateral research foundation with United Kingdom,” *The Santiago Times*, Santiago, 2012

“Hot science in the classroom: One high school science teacher’s dream come true,” Astronomical Society of the Pacific, *Mercury Magazine*, Summer 2007

GRADUATE RESEARCH EXPERIENCE

- *Research Assistant, Grant Writing Support* – University of Arizona School of Information, Tucson, Arizona, January 2019 – May 2019
- *LEADS Fellow* – *Smithsonian Biodiversity Heritage Library*, May 2018 – September 2018

- *Astrolabe Graduate Research Associate* – University of Arizona School of Information, Tucson, Arizona, August 2015 – August 2017
- *Research Development Fellow* – University of Arizona Office for Research and Discovery, Tucson, Arizona, July 2015 - July 2016
- *Graduate Assistant* – *American Astronomical Society*, Tucson, Arizona, May 2015 - August 2015
- *Graduate Student Intern* – *Vera C. Rubin Observatory (LSST)*, Tucson, Arizona, May 2014 – August 2014
- *Graduate Research Assistant* – University of Arizona School of Information Resources and Library Science (SIRLS), Tucson, Arizona, August 2013 – May 2014

TEACHING EXPERIENCE

COURSES TAUGHT

Rutgers School of Communication & Information, New Brunswick, New Jersey

Semester/Year	Course Title	Modality	# Enrolled
Fall 2022	LIS 553: Digital Libraries	Online	14
	LIS 566: Digital Curation	Online	15
Spring 2022	LIS 520: Organizing Information	Online	22
	LIS 566: Digital Curation	Online	22
Fall 2021	LIS 520: Organizing Information	Online	22
Spring 2021	LIS 520: Organizing Information	Online	23
	LIS 510: Human Information Behavior	Online	21
Fall 2020	LIS 520: Organizing Information	Online	23
	ITI 200: Social Informatics	Online	30
Spring 2020	LIS 510: Human Information Behavior	Online	18
	ITI 200: Social Informatics	Hybrid	35
Fall 2019	LIS 510: Human Information Behavior	Online	21

University of Arizona School of Information, Tucson, Arizona

Semester/Year	Course Title	Modality	# Enrolled
Summer 2020	LIS 515: Organization of Information	Online	35
Summer 2019	ESOC 211: Collaborating in Online Communities	Online	26
Fall 2018	ESOC 211: Collaborating in Online Communities	Online	38
Summer 2018	ESOC 211: Collaborating in Online Communities	Online	21
Spring 2018	ESOC 211: Collaborating in Online Communities	In-person	40
Fall 2017	ESOC 211: Collaborating in Online Communities	Online	39
Summer 2017	ESOC 211: Collaborating in Online Communities	Online	14

GRADUATE TEACHING ASSISTANTSHIPS

- ESOC 210, *Hacking and Open-Source Culture*, Spring 2015 (taught by Dr. Cheryl Knott)
- HNRS 150b, *Exploring Electronic Presence*, Spring 2015 (taught by Dr. Victor Braitberg)
- ESOC 150b, *Social Media and Ourselves*, Fall 2014 (taught by Dr. Laura Lenhart)
- IRLS 474/575, *User Interfaces and Web Design*, Fall 2014 (taught by Dr. Martin Frické)
- IRLS 515, *Organization of Information*, Fall 2014 (taught by Dr. Martin Frické)

- IRLS 506, *Introduction to Research*, Fall 2014 (taught by Dr. Martin Frické)

ADVISING

- Kenneth Basco (Master of Information, 2022-present)
- David Hanlon (Master of Information, 2022-present)
- Sarah Lair (Master of Information, 2022-present)
- Tatiana Sands (Master of Information, 2021-present)
- Jennifer Miller (Master of Information, 2021-present)
- Ellen Agnew (Master of Information, 2020-present)
- Samantha Nitting (Master of Information, 2020-present)
- Maddux Pearson (Master of Information, 2020-present)
- Anna Wells (Master of Information, 2020-present)

PROFESSIONAL EXPERIENCE

- *Writer and Web Editor* - The Santiago Times, Santiago, Chile, May 2012 – January 2013
- *Document Specialist*, System Engineering - Atacama Large Millimeter/submillimeter Array, Santiago, Chile, February 2012 - July 2012
- *Technical Writer and Documentation Specialist*, ALMA Back End IPT - National Radio Astronomy Observatory, Socorro, NM, USA, January 2007 - August 2011
- *Assistant Circulation Supervisor* - New Mexico Institute of Mining and Technology Joseph R. Skeen Library, Socorro, NM, USA, August 2001 - March 2007

GUEST LECTURES

Guest Lectures for Jen Theiss (Communication, Information and Media Pro-Seminar), Rutgers University, September 2020; November 2021

Open science, data sharing and astronomy as a case study. Guest Lectures for Emil Lawrence (Human Information Behavior), Rutgers University, December 2019; April 2020.

Data Sharing, Part II: The Long Tail of science and astronomy as a case study. Guest Lecture for Marie Radford (Theories and Issues in Library Studies), Rutgers University, November 2019.

PROFESSIONAL SERVICE: BROADER RESEARCH COMMUNITY

JOURNAL REVIEWING

• 2022	Frontiers in Physiology
• 2020	Bulletins of the American Astronomical Society (BAAS)

CONFERENCE REVIEWING

• 2022	ACM CHI Conference on Human Factors in Computing Systems
• 2019-2021	iConference
• 2019	Libraries in the Digital Age (LIDA)

BOARD AND COMMITTEE MEMBERSHIPS

• 2021-present	Network for Earth-space Research, Education and Innovation with Data (NEREID) Governing Council
• 2021-present	Unified Astronomy Thesaurus (UAT) Steering Committee
• 2021-present	Network for Earth-space Research, Education and Innovation with Data (NEREID) Planning Committee
• 2020-present	LIS Education And Data Science-Integrated Network Group (LEADING), Diversity and Inclusivity Task Force
• 2017-2020	WorldWide Telescope (WWT) Advisory Board
• 2016-2018	Astrolabe Advisory Board (contributor)

GROUP FACILITATION

• Jan. 19, 2022	NEREID: Convergence On Tap!: <i>Anarchy in the Sea and Sky?</i>
• Sep. 23, 2021	NEREID: Convergence On Tap!: <i>Secret Oceans: Below and Beyond</i>
• May 26, 2021	NEREID: Convergence On Tap!: <i>Sea the Stars</i>
• April 7, 2021	National Science Foundation (NSF) Large Facilities Workshop: <i>The Role of Communications, Education and Public Outreach During and After COVID-19</i>
• Mar. 31, 2021	NEREID: Convergence On Tap!: <i>Interdisciplinarity and convergence science: What do we mean?</i>

AFFILIATIONS

- American Library Association (ALA)
- Association for Information Science & Technology (ASIS&T)
- Association for Library and Information Science Education (ALISE)
- Network for Earth-space Research, Education and Innovation with Data (NEREID)
- Oil Region Astronomical Society (ORAS)
- Research Data Alliance (RDA)
- Science Communication Initiative (Rutgers University, faculty affiliate)

PROFESSIONAL SERVICE: RUTGERS UNIVERSITY

• 2021-present	Co-Advisor (with Marie Radford), Student College, Academic, and Research Libraries Association (SCARLA) (Library & Information Science Department)
• 2020-present	LIS Scholarships Committee (Library & Information Science Department)