
CONTACT INFORMATION	11101 West Airport Blvd, Apt. 8309 Stafford, TX 77477 USA	<i>Mobil:</i> +1-713-382-5206 <i>E-mail:</i> peggyind@gmail.com
RESEARCH INTERESTS	Data Science, Computational Social Science: Data Curation & Harmonization; Science of Science; Digital Humanities; Online communication: Temporal and geographical patterns of discourse, computer-assisted multilingual analysis	
CURRENT ACADEMIC APPOINTMENT	Associate Professor , Associate Chair for Graduate Studies Missouri University of Science & Technology Engineering Management and Systems Engineering Department	September 2025 to present
PREVIOUS ACADEMIC APPOINTMENTS	Assistant Professor , University of Houston Department of Information Science Technology	September 2019 to August 2025
	Associate Director for Educational Programs , Hewlett Packard Enterprise Data Science Institute, University of Houston	2018–2019
	Research Assistant Professor , Department of Mechanical Engineering & Honors College, University of Houston , Center for Advanced Computing & Data Science (CACDS)	2013–2019
	Research Assistant Professor , Department of Computer Science, University of Houston	2009–2012
	Visiting Scientist , Department of Surgery, The Methodist Hospital Research Institute	2012
	Lab Manager & Post-Doctoral Researcher , Computational Physiology Lab, University of Houston	2007–2012
	Research Associate , High Performance Computing Center (HLRS), Stuttgart, Germany	2001–2007
EDUCATION	University of Stuttgart , Stuttgart, Germany	
	Ph.D., Mechanical Engineering , July 2007	
	<ul style="list-style-type: none"> • Thesis Topic: <i>Management of applications from science and engineering in heterogeneous Grid environments.</i> • Adviser: Professor Michael M. Resch • Area of Study: High Performance Computing 	
	Freiberg University of Mining and Technology , Freiberg, Germany	
	M.S., Geotechnology and Mining , February 2000	
	<ul style="list-style-type: none"> • Thesis Topic: <i>The influence of stress in old concrete on fracture and crack width in reinforced concrete</i> • Area of Study: Special Civil Engineering 	
	B.S., Geotechnology and Mining , September 1996	

- T. C. Masters-Waage, J. M. Madera, E. Edema-Sillo, A. St. Aubin, P. Lindner, M. Gaytan, H. Yu, and C. Spitzmueller. Evaluating multiple candidates simultaneously reduces racial disparities in promotion and tenure. *Nature Communications*, Feb. 2026. ISSN 2041-1723. doi:10.1038/s41467-026-69937-5. URL <https://doi.org/10.1038/s41467-026-69937-5>
- J. T.-C. Wu, N. B. Young, L. Zarnow, P. Lindner, and E. Rodwell. Sharing stories from 1977: Igniting student interest in us women’s history. *The American Historical Review*, 130(4): 1632–1661, 12 2025. ISSN 0002-8762. doi:10.1093/ahr/rhaf589. URL <https://doi.org/10.1093/ahr/rhaf589>
- D. Van Egdome, M. M. Piszczek, C. Spitzmueller, P. Lindner, and A. Clauset. Supporting Academic Parents: The Effects of Dependent Care Policies on Research Productivity Trends. *Journal of Business and Psychology*, 40(3):731–752, June 2025. ISSN 1573-353X. doi:10.1007/s10869-024-09984-1. URL <https://doi.org/10.1007/s10869-024-09984-1>
- G. Toti, P. Lindner, A. Gao, O. Baghban Karimi, R. Engineer, J. Hur, F. McNeill, S. Reckinger, R. Robinson, A. Sollazzo, and R. Wicentowski. Diversity, equity, and inclusion in computing science: Culture is the key, curriculum contributes. In *2024 Working Group Reports on Innovation and Technology in Computer Science Education*, ITiCSE 2024, page 175–225, New York, NY, USA, 2025. Association for Computing Machinery. ISBN 9798400712081. doi:10.1145/3689187.3709611. URL <https://doi.org/10.1145/3689187.3709611>
- T. Masters-Waage, C. Spitzmueller, E. Edema-Sillo, A. St. Aubin, M. Penn-Marshall, E. Henderson, P. Lindner, C. Werner, T. Rizzuto, and J. Madera. Underrepresented minority faculty in the USA face a double standard in promotion and tenure decisions. *Nature Human Behaviour*, Oct. 2024. ISSN 2397-3374. doi:10.1038/s41562-024-01977-7. URL <https://www.nature.com/articles/s41562-024-01977-7>
- L. Hellmueller, L. Camaj, S. Vallejo Vera, and P. Lindner. The Impact of Journalistic Cultures on Social Media Discourse: US Primary Debates in Cross-Lingual Online Spaces. *Digital Journalism*, pages 1–21, Oct. 2024. ISSN 2167-0811, 2167-082X. doi:10.1080/21670811.2024.2402371. URL <https://www.tandfonline.com/doi/full/10.1080/21670811.2024.2402371>
- L. Camaj, L. Hellmueller, S. V. Vera, and P. Lindner. The democratic value of strategic game reporting and uncivil talk: A computational analysis of facebook conversations during u.s. primary debates. *Journalism & Mass Communication Quarterly*, 0(0):10776990231226403, 0. doi:10.1177/10776990231226403
- C. L. Cheek, P. Lindner, and E. L. Grigorenko. Statistical and Machine Learning Analysis in Brain-Imaging Genetics: A Review of Methods. *Behavior Genetics*, Feb. 2024. ISSN 1573-3297. doi:10.1007/s10519-024-10177-y. URL <https://doi.org/10.1007/s10519-024-10177-y>
- D. Madrid-Morales, J. R. Rodríguez-Amat, and P. Lindner. A Computational Mapping of Online News Deserts on African News Websites. *Media and Communication*, 11(3), Aug. 2023. ISSN 2183-2439. doi:10.17645/mac.v11i3.6857. URL <https://www.cogitatiopress.com/mediaandcommunication/article/view/6857>
- C. Samaniego, P. Lindner, M. A. Kazmi, B. A. Dirr, D. T. Kong, E. Jeff-Eke, and C. Spitzmueller. Higher research productivity = more pay? Gender pay-for-productivity inequity across disciplines. *Scientometrics*, 128(2):1395–1407, Feb. 2023. ISSN 0138-9130, 1588-2861. doi:10.1007/s11192-022-04513-4. URL <https://link.springer.com/10.1007/s11192-022-04513-4>
- Z. Liu, K. Hoff, E. Baranski, G. Snyder, R. Flin, P. Lindner, and C. Spitzmueller. Mindfulness and workplace safety: An integrative review. *Journal of Organizational Behavior*, 44(8): 1263–1282, Oct. 2023. ISSN 0894-3796, 1099-1379. doi:10.1002/job.2705. URL <https://onlinelibrary.wiley.com/doi/10.1002/job.2705>
- J. T.-C. Wu, C. Jones, P. Lindner, E. Rodwell, N. Beck Young, and L. Zarnow. Sharing Stories from 1977: Creating a Feminist Digital Humanities Project. *Women and Social Movements in the United States, 1600-2000*, 26(2), 2022

L. Hellmueller, V. Hase, and P. Lindner. Terrorist Organizations in the News: A Computational Approach to Measure Media Attention Toward Terrorism. *Mass Communication and Society*, pages 1–24, June 2021b. ISSN 1520-5436, 1532-7825. doi:[10.1080/15205436.2021.1936068](https://doi.org/10.1080/15205436.2021.1936068). URL <https://www.tandfonline.com/doi/full/10.1080/15205436.2021.1936068>

G. Toti, R. Vilalta, P. Lindner, B. Lefer, C. Macias, and D. Price. Analysis of correlation between pediatric asthma exacerbation and exposure to pollutant mixtures with association rule mining. *Artificial intelligence in medicine*, 74:44–52, 2016a. Publisher: Elsevier

I. Garza, H. Montakhabi, P. Lindner, P. Tsiamyrtzis, J. Swanson, L. MacBride, T. Krouskop, and I. Pavlidis. The Face of Migraine; Thermal Imaging Revisited (P06.154). *Neurology*, 80(7 Supplement):P06.154–P06.154, 2013. ISSN 0028-3878. URL https://n.neurology.org/content/80/7_Supplement/P06.154

I. Pavlidis, P. Tsiamyrtzis, D. Shastri, A. Wesley, Y. Zhou, P. Lindner, P. Buddhharaju, R. Joseph, A. Mandapati, B. Dunkin, and others. Fast by nature-how stress patterns define human experience and performance in dexterous tasks. *Scientific Reports*, 2:305, 2012. Publisher: Nature Publishing Group

Y. Zhou, P. Tsiamyrtzis, P. Lindner, I. Timofeyev, and I. Pavlidis. Spatiotemporal smoothing as a basis for facial tissue tracking in thermal imaging. *IEEE Transactions on Biomedical Engineering*, 60(5):1280–1289, 2012. Publisher: IEEE

P. Lindner, E. Gabriel, and M. M. Resch. GCM: a grid configuration manager for heterogeneous grid environments. *International Journal of Grid and Utility Computing*, 1(1): 4–12, 2005. Publisher: Inderscience Publishers

REFEREED
CONFERENCE
AND WORKSHOP
PUBLICATIONS

S. Davidson, P. Lindner, E. Rodwell, J. Wagman, E. Westkaemper, J. T.-C. Wu, N. B. Young, and L. Zarnow. Using public digital humanities to excite students. *Proceedings of the H-Net Teaching Conference*, 3(1):86–101, Jul. 2025. doi:[10.33823/phtc.v3i1.325](https://doi.org/10.33823/phtc.v3i1.325). URL https://journals.h-net.org/phtc/article/view/proceedings_v3_using_public_dh

O. Baghban Karimi, A. Gao, P. Lindner, G. Toti, R. Engineer, J. Hur, F. McNeill, S. Reckinger, R. Robinson, A. Sollazzo, and R. Wicentowski. Exploring equity, diversity, and inclusion in computer science undergraduate curricula. In *Proceedings of the 2024 on Innovation and Technology in Computer Science Education V. 2*, ITiCSE 2024, page 765–766, New York, NY, USA, 2024. Association for Computing Machinery. ISBN 9798400706035. doi:[10.1145/3649405.3659531](https://doi.org/10.1145/3649405.3659531). URL <https://doi.org/10.1145/3649405.3659531>

J. Edwards, R. Hu, A. Lendasse, A. Schlager, and P. Lindner. A two-stage approach for implicit bias detection in generative language models. In *Proceedings of the 32th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESANN)*, October 2024

O. Baghban Karimi, G. Toti, M. Gutica, R. Robinson, L. Zhang, J. H. Paterson, P. Lindner, and M. O’Dea. Exploring Computing Science Programs’ Admission Procedures with a Diversity and Inclusion Lens. In *ITiCSE 2023: Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education V. 2*, June 2023

K. Neumann and P. Lindner. Digital Numismatics and Data Visualization for Ancient Antioch. In *XiV International Numismatic Congress*, University of Warsaw, Sept. 2022

P. Lindner. Gentle approaches to support large scale manual data curation. In *CHI 2022 Workshop Investigating Data Work Across Domains: New Perspectives on the Work of Creating Data*, Apr. 2022

C. Bronk, A. Lendasse, P. Lindner, D. Wallach, and B. Hammer. Machine Learning for Measuring and Analyzing Online Social Communications. In *ESANN 2021 proceedings*, Online Event, Oct. 2021. ISBN 978-2-87587-082-7

M. Graham, M. Mehra, S. Shrestha, P. Lindner, E. Velasco, S. Yoon, J. Flynn, R. Sheesley, and S. Usenko. Optimization of an Algorithm Using Aerosol Optical Properties to Investigate the Influence of Biomass Burning on an Urban Atmosphere (BC)2 2021 Field Campaign. In *AGU Fall Meeting Abstracts*, volume 2021, pages A35J–1776, Dec. 2021

- P. Lindner. Measuring Research Productivity at Scale. In *Proceedings of ELM 2021*. Springer Nature, Dec. 2021
- K. Neumann and P. Lindner. Digital Numismatics: A Wealth of Evidence for Ancient Syria. In *Archaeological Institute of America Annual Meeting*, San Francisco, Jan. 2021
- L. Hellmueller, L. Camaj, and P. Lindner. Mediating the 2020 U.S. Political Debates on Social Media: The impact of message function and visual framing on political deliberation on news outlets' Facebook pages. In *71st Annual ICA Conference "Engaging the Essential Work of Care: Communication, Connectedness, and Social Justice"*, virtual, May 2021a
- M. Kazmi, X. Wen, C. Samaniego, A. Tsao, P. Lindner, and C. Spitzmueller. How Leadership Can Reduce the Gender-Safety Priority Relationship. In *14th European Academy of Occupational Health Psychology (EAOHP) Conference*, online, Sept. 2020. URL <https://app.oxfordabstracts.com/events/987/program-app/submission/148625>
- M. Bagheri, H. Zhao, M. Sun, L. Huang, S. Madasu, P. Lindner, and G. Toti. Data Conditioning and Forecasting Methodology using Machine Learning on Production Data for a Well Pad. In *OTC-30854-MS*, page 17, OTC, May 2020. Offshore Technology Conference. ISBN 978-1-61399-707-9. doi:10.4043/30854-MS. URL <https://doi.org/10.4043/30854-MS>. Journal Abbreviation: OTC-30854-MS
- M. Saxena, S. Jha, S. Khan, J. Rodgers, P. Lindner, and E. Gabriel. Comparison of MPI and Spark for Data Science Applications. In *21st IEEE International Workshop on Parallel and Distributed Scientific and Engineering Computing (PDSEC 2020), held in conjunction with the 34th IEEE International Parallel and Distributed Processing Symposium (IPDPS 2020)*, New Orleans, LA, USA, 2020
- L. Hellmueller, V. Hase, and P. Lindner. Terrorism in the News: Explaining Mediated Visibility of Organized Violence. In *69th Annual International Communications Association (ICA) Conference*, 2019. event-place: Washington, D.C
- A. Amritkar, J. Ebalunode, M. Huarte-Espinosa, P. Lindner, P. G. Rondón, and A. Prosperetti. Vistas in Advanced Computing. In *EduHPC-17 in conjunction with SC 2017*, Denver, CO, Nov. 2017
- G. Toti, R. Vilalta, P. Lindner, and D. Price. Effect of the Definition of Non-Exposed Population in Risk Pattern Mining. In *5th Workshop on Data Mining for Medicine and Healthcare held in conjunction with 16th SIAM International Conference on Data Mining (SDM 2016)*, page 19, May 2016b
- H. Ayyalasomayajula, E. Gabriel, P. Lindner, and D. Price. Air quality simulations using big data programming models. In *2016 IEEE Second International Conference on Big Data Computing Service and Applications (BigDataService)*, pages 182–184. IEEE, 2016
- I. Uyanik, P. Lindner, P. Tsiamyrtzis, D. Shah, N. V. Tsekos, and I. T. Pavlidis. Applying a level set method for resolving physiologic motions in free-breathing and non-gated cardiac mri. In *International Conference on Functional Imaging and Modeling of the Heart*, pages 466–473. Springer, 2013
- A. Wesley, P. Lindner, and I. Pavlidis. Eustressed or distressed? Combining physiology with observation in user studies. In *CHI'12 Extended Abstracts on Human Factors in Computing Systems*, pages 327–330, 2012
- P. Lindner, E. Gabriel, and M. M. Resch. Performance prediction based resource selection in grid environments. In *International Conference on High Performance Computing and Communications*, pages 228–238. Springer, 2007
- J. Almond and P. Lindner. An Integrated Global Service for File Transfer and Management in a Network (FTM). In *PDPTA*, pages 1063–1067, 2004
- F. Bös, N. Curre-Linde, P. Lindner, R. D. Schmid, and J. Pleiss. High-throughput molecular dynamics simulations: Long and short range effects of mutations on substrate specificity. In *German Conference on Bioinformatics 2004, GCB 2004*. Gesellschaft für Informatik eV, 2004

- N. Currle-Linde, F. Boes, P. Lindner, J. Pleiss, and M. M. Resch. A management system for complex parameter studies and experiments in grid computing. In *Parallel and Distributed Computing and Systems: Proceedings of the 16th IASTED International Conference*, 2004
- E. Gabriel, R. Keller, P. Lindner, M. S. Müller, and M. M. Resch. Software Development in the Grid: The DAMIEN tool-set. In *International Conference on Computational Science*, pages 235–244. Springer, 2003
- P. Lindner, N. Currle-Linde, M. M. Resch, and E. Gabriel. Distributed application management in heterogeneous GRIDS. In *Euroweb 2002 conference*, pages 1–10, 2002
- TECHNICAL REPORTS
- P. Lindner, T. Beisel, M. M. Resch, T. Imamura, R. Menday, D. Erwin, and P. Wieder. DFN-Project “GRIDWELTEN: User Requirements and Environments for GRID-Computing”. *DFN Mitteilungen*, Oct. 2003
- D. Erwin, A. Streit, P. Lindner, and S. Wesner. Unicore plus final report-uniform interface to computing resources. Technical report, Forschungszentrum Jülich, 2003
- DATA REPOSITORY
- D. Madrid-Morales, P. Lindner, and M. Periyasamy. Corpus of African Digital News from 600 Websites Formatted for Text Mining / Computational Text Analysis, 2021. URL <https://doi.org/10.18738/T8/UKJZ3E>
- N. B. Young, P. Lindner, L. Zarnow, and E. Rodwell. National Women’s Conference Delegates and Alternates from Montana, 2025a. URL <https://doi.org/10.18738/T8/POBUBU>
- N. B. Young, P. Lindner, L. Zarnow, and E. Rodwell. National Women’s Conference Delegates and Alternates from Texas, 2025b. URL <https://doi.org/10.18738/T8/S9UYWQ>
- N. B. Young, P. Lindner, L. Zarnow, and E. Rodwell. National Women’s Conference Delegates and Alternates from Guam, 2025c. URL <https://doi.org/10.18738/T8/QD62ML>
- PEER REVIEWED PRESENTATIONS
- Kniffin, K. M., Masters-Waage, Th., Guitierrez A., Edema-Sillo E., Madera J., Henderson E., Lindner P., Spitzmueller Ch. “How and When Interdisciplinary Promotions – and What Deans Perceive and Recommend” contributed talk, 3rd International Conference on the Science of Science and Innovation (ICSSI), 2024
- Kniffin, K. M., Gutierrez, A., Madera, J. M., Spitzmueller, C., Edema-Sillo, E., Henderson, E., Lindner, P., 84th Annual Meeting of the Academy of Management (AOM 2024), joint presentation “Undervaluing Innovation and Entrepreneurship for Promotion and Tenure Decisions”
- Lindner, P. “Using Public History to Study Modern Feminism”, Panelist, National Council on Public History (NCPH) Conference 2024, Salt Lake City, Utah (April 13, 2024)
- Lindner, P., “Women’s History in the Digital Age”, Panelist, American Historical Association Annual Meeting (AHA 2024), San Francisco, California (January 4, 2024)
- Kniffin, K. M., Gutierrez, A., Madera, J. M., Spitzmueller, C., Edema-Sillo, E., Henderson, E., Lindner, P., 83th Annual Meeting of the Academy of Management (AOM 2023), joint presentation “Are Dual-Appointed Faculty Evaluated Differently than Single-Appointed Faculty?”, Boston, MA. (August 8, 2023)
- Lindner, P., “Sharing stories from 1977: Notes from the early years of a Feminist digital humanities project”, Panelist, 2023 Berkshire Conference on the History of Women, Genders and Sexualities, Santa Clara University, California, (July 1, 2023)
- Lindner, P., “How Can UX Make History Accessible”, Co-Presenter UXPA 2023, User Experience Professionals Association, Austin, TX, United States. (June 22, 2023)
- Lindner, P. “Digital Feminist Humanities”, Panelist, Organization of American Historians Annual Meeting (OAH 2023), Los Angeles, CA, United States. (March 30, 2023)
- Lindner, P. NSF MERIF Workshop on Future Midscale Experimental Research Infrastructures, “MERI Support for Data Analysis Workflows for Social Sciences” (January 8, 2020)

INVITED
PRESENTATION
& TALKS

Lindner, P., "Demystifying Explainable LLMs: Unlocking Insights with Embeddings", SAIL (Sustainable Life-cycle of Intelligent Socio-Technical Systems) Spring School, Bielefeld University, Germany. (March 26, 2025)

Lindner, P., "Measuring Research Productivity at scale – impact on Promotion & Tenure", Seminar Talk, Department of Computer Science, University of British Columbia, Vancouver, BC, Canada. (May 8, 2023)

Lindner, P. "Measuring Research Productivity at Scale", Keynote, International Conference on Extreme Learning Machines (ELM2021) (December 5, 2021)

Lindner, P., Brown P., Srinak K. and Smetaana A. Fort Bend Chamber of Commerce's Fort Bend Future – Artificial Intelligence Series – Part 1 "What is AI?" AI Fort Bend, TX (March 31, 2021).

Lindner P. and Neumann K. University of Houston Digital Research Commons Workshop – "How to keep your head above water during a digital project" (May 24, 2020)

Lindner P. and Neumann K. Hewlett Packard Data Science Institute Seminar Series "Reconstructing Ancient Syria – Making the case for Data Science in the Humanities" (April 9, 2020)

AWARDS &
HONORS

50 in 5, Faculty Achievement Award, University of Houston 2022-2023

50 in 5, Faculty Achievement Award, University of Houston 2020-2021

GRANTS &
SPONSORED
PROJECTS

	Number	Total Amount	Share
Internal Grants	10	\$106,070	\$32,201
External Grants	16	\$12,422,135	\$1,653,559
Total	26	\$12,528,205	\$1,685,760

2024-2029	Lindner, P. (Co-Principal at UH) (33%), Madera, J. (Principal) (33%), Ruggs, E. (Co-Principal) (33%), Henderson, E. (Co-Principal) (1%), "Center for Equity in Faculty Advancement (CEFA): Identifying and Eliminating Systemic Racism in Promotion and Tenure Processes," <i>National Science Foundation (NSF)</i> , \$4,500,000 Total/ \$1,362,743 total for UH.
2023-2026	Lindner, P. (50%) (Co-Principal), Zhang, Y. (50%) (Principal), "Collaborative Research: Cybertraining: Train the trainers as next generation leaders in underrepresented communities", <i>National Science Foundation (NSF)</i> , \$325,185
2023	Lindner, P. (25%) (Co-Principal), Hu, R. (50%) (Principal), Lendasse A. (25%) (Co-Principal), "AI Explainability, Security and AI Risk Management for machine learning, deep learning and generative models", Industry Research sponsored by <i>Aliceberg</i> , \$600,000
2023-2024	Lindner, P. (3%) (Co-Principal), Rodwell E., Baeza Ventura G, Villarroel C., Gauthereau L., Yunzi Li M., Mazella D., Neumann, K., Beck Young N., Zarnow L., "Cougar Initiative to Engage (CITE): Summer Internship in Public History and Digital Humanities," Provost Office <i>University of Houston</i> , \$18,100
2023-2024	Lindner, P. (10%) (Co-Principal), Flynn, J. H. (90%) (Principal), "Monitoring related to ozone formation in and ozone and particulate matter transport into the Houston Region and the Dallas-Fort Worth region," <i>Texas Commission on Environmental Quality (TCEQ)</i> , \$400,000
2021-2024	Lindner, P. (Co-Principal at UH) (10%), Spitzmueller, C. (Principal) (60%), Madera, J. (Co-Principal) (15%), Henderson, E. (Co-Principal) (15%), "External review letters in promotion and tenure decision making: validity and fairness," <i>National Science Foundation (NSF)</i> , \$2,000,005 Total/ \$1,333,780 total for UH.
2022	Lindner, P. (20%) (Co-Principal), Price, D. (20%) (Co-Principal), Kapral, A. (20%) (Co-Principal), Ludwig, A. (20%) (Co-Principal), Willey D. (20%) (Co-Principal), "Healing Justice: Innovating Holistic Indigent Defense," <i>Elizabeth D. Rockwell Conference Funding</i> , \$30,000
2022-2023	Lindner, P. (5%) (Co-Principal), Rodwell E., Jackson, W. , Davidson S., Harwell D., Perales M., Neumann, K., Beck Young N., Zarnow L., "Cougar Initiative to Engage (CITE): CPH Summer Undergraduate Internship Program," Provost Office <i>University of Houston</i> , \$32,000
2022-2024	Lindner, P. (Co-Principal) (20%), Young, N. B. (Co-Principal) (40%), Zarnow, L. (Co-Principal) (40%), "Democratizing Politics: Mapping the Stories and Significance of the 1977 National Women's Conference," <i>National Endowment for the Humanities</i> , \$249,998
2022-2024	Lindner, P. (10%) (Co-Principal), Flynn, J. H. (45%)(Principal), Wang, Y. (45%)(Co-Principal), "Black and Brown Carbon (BC)2 monitoring in Houston and El Paso in 2022/23," <i>Texas Commission on Environmental Quality (TCEQ)</i> , \$1,113,000
2019-2021	Lindner, P. (30%) (Principal), Spitzmueller, C. (40%) (Co-Principal), Flynn, R. (30%) (Co-Principal), "Employee well-being and mindfulness as predictors of process and personal safety," <i>National Academy of Science, Engineering and Medicine</i> , \$828,113
2020-2024	Lindner, P. (5%) (Co-Principal), Grigorenko, E. (Principal), Francis D. (Co-Principal), Polloni L. (Co-Principal), Pavlidis I. (Co-Principal), "Individual Differences in Response to Stress: Behavioral and Neuropsychological Correlates," <i>Office of Naval Research (ONR)</i> , \$1,000,000

2021-2022 Lindner, P. (Co-Principal) (25%), Neumann, K. (50%) (Co-Principal), Rodwell, E. A. (25%) (Co-Principal), "Digital Projects for the Public: Prototyping Award," *National Endowment for the Humanities (NEH)*, \$98,095

2020-2021 Lindner, P. (Co-Principal), Vaid, S. (Principal), Feinberg, F. (Co-Principal), "Impact of Multiple Digital Sellers on Customer Utility," *Social Sciences and Humanities Research Council (SSHRC) Canada*, \$37,364

2021 Lindner, P. (Co-Principal) (33%), Neumann, K. (Co-Principal)(33%), Rodwell, E. A. (Co-Principal) (33%), *Loeb Classical Library Foundation Fellowship, Harvard University*, \$17,650

2021-2022 Lindner, P. (10%) (Co-Principal), Flynn, J. H. (45%) (Principal), Wang, Y. (45%) (Co-Principal), "Black and Brown Carbon (BC)₂ monitoring in Houston and El Paso in the 2021 Ozone Season," *Texas Commission on Environmental Quality (TCEQ)*, \$555,000

2021-2022 Lindner, P. (10%) (Co-Principal), Flynn, J. H. (90%) (Principal), "Monitoring related to ozone formation in and ozone and particulate matter transport into the Houston Region and the Dallas-Fort Worth region," *Texas Commission on Environmental Quality (TCEQ)*, \$396,358

2020-2021 Lindner, P. (10%) (Co-Principal), Flynn, J. H. (45%) (Principal), Wang, Y. (45%) (Co-Principal), "Black and Brown Carbon (BC)₂ monitoring in El Paso and Houston in 2020," *Texas Commission on Environmental Quality (TCEQ)*, \$808,295

2020-2025 Lindner, P. (10%) (Co-Principal), Flynn, J. H. (90%) (Principal), "Gulf of Mexico Region (GOMR) Coastal ambient Air quality monitoring: a pilot study", *Ambilabs / Bureau of Ocean Energy Management*, \$141,197

2021 Lindner, P. (33%) (Co-Principal), Kristina, N. (34%) (Co-Principal), Rodwell, E. A. (33%) (Co-Principal), "DRC Sponsored Projects: Finding Connection in Ancient Syria" *University of Houston Libraries*, \$6,500

2021 Lindner, P. (50%) (Co-Principal), Madrid-Morales, K. (50%) (Principal), "Development Grants: A Multilingual Database of Digital News in 54 African Countries" *University of Houston Libraries*, \$6,500

2020 Lindner, P. (33%) (Co-Principal), Hellmueller, L. (34%) (Principal), Camej, L. (33%) (Co-Principal), "Research Progress Grant - Early Career Televised Debates 2020: The quality of real-time political discussion on media organizations' Facebook pages," *University of Houston, College of Liberal Arts & Social Sciences*, \$7,669.85

2020 Lindner, P. (50%) (Co-Principal), Neumann, K. (50%) (Co-Principal), "Development Grants: Finding Connection in Ancient Syria," *University of Houston Libraries*, \$6,500

2019 Lindner, P. (100%) (Principal) "Data Science 101" Teaching Innovation Program (TIP) Grant, *University of Houston*, \$10,400

2018 Lindner, P. (50%) (Co-Principal), Neumann, K. (50%) (Co-Principal), "Seed Grants: Finding Connection in Ancient Syria," *University of Houston Libraries*, \$3,000

2017 Lindner, P. (50%) (Co-Principal), Price, D. (50%) (Co-Principal), "Seed Grants: Embodied Approaches to Digital Inquiry in Art History," *University of Houston Libraries*, \$3,000

SERVICE TO THE
PROFESSION

Conference service:

- Special Session Chair, "Explainable Artificial Intelligence (XAI)", 2024 IEEE World Congress on Computational Intelligence (WCCI)
- Organizing Committee, The 11th International Conference on Extreme Learning Machines (ELM2021)
- Session Organizer, "Machine Learning for Measuring and Analyzing Online Social Communications" at ESANN 2021 – 29th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning
- Finance Chair, IEEE International Conference on Advanced Video and Signal Based Surveillance, Santa Fe, New Mexico, September 1-3, 2008

Reviewer service:

- NSF Panelist (2022, 2023, 2024)
- Reviewer for multiple journals, including Nature Scientific Reports, European Journal of Work and Organizational Psychology, Asian Academy of Management Journal, Open Research Europe (2019 - current)
- Editor with Frontiers in Artificial Intelligence (2022 - current)
- Elsevier Book proposal reviewer "Full-Stack Web Development from the Ground Up" (2021)
- Reviewer for new Data Analytics, B.S. program, Southern New Hampshire University (2020)

Computing Community service:

- Member IEEE, CIS Future Conferences Committee - Present
- Member IEEE, Computational Intelligence Society (CIS)
- Chair ITiCSE 2024 Working Group "Equity-Minded Computer Science Undergraduate Curriculum"
- Member ITiCSE 2023 Working Group "Enhancing Diversity and Inclusion in Computer Science Undergraduate Programs: The Role of Admissions"
- Member Association of Computing Machinery (ACM), 2019-current
- Member of Global Grid Forum (GGF), 2003-2005

Digital Humanities Community service:

- Advisory Board member, Digital Research Commons (DRC) University of Houston, 2018-current

SERVICE TO THE
INSTITUTION

University service:

- University of Houston Faculty Senate, Faculty Affairs Committee, 2024 - current
- University of Houston Faculty Senate, Taskforce for Student Evaluations, Spring 2025

Department service:

- Program Coordinator (Curriculum Development) - Computer Information Systems Program, 2023 - current

Mentoring:

- Director DASH (Data Analytics in Student Hands) at the University of Houston
- Faculty Advisor - FITP (Future Information Technology Professionals) Student organization at the University of Houston, 2022 - current

DIRECTED
STUDENT
LEARNING

2023/2024	Master's Thesis Dissertation Committee Chair, "Explainability in Large Language Models." Advised: Jeremy Edwards
Spring 2024	REACH Internship Advisor, "SYRIOS - UX Studies." Advised: Emily Nguyen, Iris Alkatheri
Fall 2023	Independent Study, "Cloud Solution Case Study for Enterprise Applications." Advised: Jeremy Griffith
Fall 2023	Undergraduate Honors Thesis Reader, "Model-based and data-based monitoring of Oil & Gas Transmission pipelines." Advised: Harry Goldberg
2022/2023	Master's Thesis Dissertation Committee Member, "Playing With the Past: The Importance of Historical Video Games for the Future of the Historical Field." Advised: Brian T. Erickson
2019-2023	Ph.D. Dissertation Committee Member, "Identifying Genetic Associations to Disorders in Brain-Imaging Genetic Data." Advised: Connor Cheek
Spring 2023	REACH Internship Advisor, "SYRIOS - UX studies." Advised: Haadi Hasan, Rory Demsey
Spring 2023	Undergraduate Honors Thesis Reader, "Spectral power density analysis of patients with primary progressive aphasia using resting-state electroencephalography." Advised: Christina Quinn
2018-2022	Ph.D. Thesis Dissertation Committee Member, "Parallel I/O on Compressed Data Files." Advised: Siddhesh Pratap Singh
2021/2022	Master's Thesis Committee Member, "A Parallel Implementation of Pandas Framework." Advised: Saba Khan
Spring 2022	Undergraduate Honors Thesis Reader, "Gender Differences in Job Search and Networking Behaviors Among Scholars." Advised: DuBois Barnes
2018-2021	Ph.D. Thesis Dissertation Committee Member, "Clustering of individual entities based on common features." Advised: Maryam Bagheri

Fall 2021	Independent Study, "Deployment Case Study for IT operations software." Advised: Rachel Voigt
Spring 2020	Undergraduate Honors Thesis Reader, "The Trickle-Down Effect of Academic Mentoring." Advised: Alyssa Lezcano
Spring 2020	Undergraduate Honors Thesis Reader, "The work-life interface and job performance." Advised: Cheyenne Salazar
Spring 2019	Undergraduate Honors Thesis Reader, "Characterizing agent behavior under meta reinforcement learning with Gridworld." Advised: Nolan Amit Shah
Spring 2019	Undergraduate Honors Thesis Reader, "Application of Spaceborne, Airborne and Ground-based Hyperspectral Imaging to Detect CH ₄ ." Advised: Evans Awere Onyango
2013–2016	Ph.D. Dissertation Committee Member, "Association Rule Mining for Risk Assessment in Epidemiology." Advised: Guilia Toti

TEACHING

Fall 2025	Eng Mgt 5320: Project Management
Spring 2025	CIS 1348: Information Systems Application Development
Summer 2024	CIS 1348: Information Systems Application Development
Spring 2024	CIS 4397: Advanced Topics in NoSQL Databases
Fall 2023	CIS 4339: Enterprise Application Development CIS 6397: Text Mining
Spring 2023	CIS 4339: Enterprise Application Development CIS 6397: Text Mining
Spring 2024	CIS 4397: Advanced Topics in NoSQL Databases
Fall 2023	CIS 4339: Enterprise Application Development CIS 6397: Text Mining
Spring 2023	CIS 4339: Enterprise Application Development CIS 6397: Text Mining
Fall 2022	CIS 4339: Enterprise Application Development
Spring 2022	CIS 4339: Enterprise Application Development
Fall 2021	CIS 4339: Enterprise Application Development
Spring 2021	CIS 3368: Advanced Information System Development
Fall 2020	CIS 6371: Data Analytics Solutions CIS 3368: Advanced Information System Development
Spring 2020	CIS 2348: Information System Application Development CIS 6397 Selected Topics: Introduction to Textmining
Fall 2019	CIS 2348: Information System Application Development
Spring 2018	ENGI 6397 Selected Topics: Data Science Projects, co-taught with G. Toti
Fall 2018	R for Data Science, Center for Advanced Computing and Data Science (CACDS), not-for-credit course

Spring 2018	HON 4397 Selected Topics: Introduction to Digital Humanities
2017/2018	Introduction to Parallel Computing, CACDS Vistas in Advanced Computing Summer Program
Summer 2018	Data Analysis in R, Center for Advanced Computing and Data Science (CACDS), Summer Bootcamp
Spring 2018	Introduction to R, Center for Advanced Computing and Data Science (CACDS), not-for-credit course
Spring 2018	Introduction to Linux & Cluster Computing, Center for Advanced Computing and Data Science (CACDS), not-for-credit course
Fall 2017	Introduction to R, Center for Advanced Computing and Data Science (CACDS), not-for-credit course
Fall 2017	Introduction to Linux & Cluster Computing, Center for Advanced Computing and Data Science (CACDS), not-for-credit course
Summer 2017	Data Analysis in R, Center for Advanced Computing and Data Science (CACDS), Summer Bootcamp
Fall 20216	CCS 2350: Perspectives Cultural Studies: Big Data in Social Science”, co-taught with A. Bentley
Spring 2015	HON 4397: Open Data: Tools for a New Age