

Lindah Kotut

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ACADEMIC APPOINTMENTS

Assistant Professor

University of Washington, Information School

Seattle, WA
September 2021 – Current

EDUCATION

Virginia Tech

Ph.D in Computer Science

Graduate Certificate – Urban Computing

Blacksburg, VA
Aug. 2016 – May 2021
May 2020

Norfolk State University

Master of Science in Computer Science

Norfolk, VA
Aug. 2014 – May 2016

Georgia Southern University

Bachelor of Science in Computer Science

Statesboro, GA
Aug. 2011 – Dec. 2012

Darton College

Associate of Science in Computer Science

Albany, GA
May 2008 – May 2010

PUBLICATIONS

Conference Proceedings/ Journals

**Co-author is a student advisee.*

- [CHI 2024] Lindah Kotut, Neelma Bhatti, Derek Haqq, Taha Hassan, Morva Saaty. “Griot-Style Methodology: Longitudinal Study of Navigating Design With Unwritten Stories” [26.3% Acceptance Rate]
- [CHI 2024] Lindah Kotut and Hummd Alikhan*. “‘Things on the Ground are Different’: Utility, Survival and Ethics in Multi-Device Ownership and Smartphone Sharing.” [26.3% Acceptance Rate]
- [CHI 2024] Hummd Alikhan* and Lindah Kotut. “Begone, Orthot: A Near-Future Exploration of Bodily Autonomy.”
- 🏆 [GROUP 2023] Lindah Kotut, D. Scott McCrickard. “The *TL;DR* Charter: Speculatively Demystifying Privacy Policy Documents and Terms Agreements.” ACM International Conference on Supporting Group Work., Sanibel Island, FL. 2023. *Best Paper, Honorable Mention Award*
- 🏆 [CHI 2022] Lindah Kotut, D. Scott McCrickard. “Winds of Change: Seeking, Preserving, and Retelling Indigenous Knowledge Through Self-Organized Online Communities.” ACM CHI Conference on Human Factors in Computing Systems. New Orleans, LA. April 2022. [12.5% Acceptance Rate] *Best Paper, Honorable Mention Award*
- [CSCW 2022] Lindah Kotut, Michael Horning, D. Scott McCrickard. “The Long Way Home: News Values in Stories Told by Appalachian Trail Thru-Hikers on Social Media.” ACM Conference on Computer-Supported Cooperative Work and Social Computing.
- [CSCW 2021] Neelma Bhatti, Lindah Kotut, Derek Haqq, Timothy L Stelter, Morva Saaty, D. Scott McCrickard, Aisling Kelliher. “Parenting, Studying And Working At Home In A Foreign Country: How International Student Mothers In The US Use Screen Media For And With Their Young Children.” PACM-HCI CSCW 2021.
- [AfriCHI 2021] Lindah Kotut, D. Scott McCrickard. “Trail as Heritage: Safeguarding Location-Specific and Transient Indigenous Knowledge.” In Proceedings of The ACM African Conference for Human Computer Interaction (AfriCHI). Maputo, Mozambique, March 2021. [35% Acceptance Rate]
- [IJCCI 2021] Lindah Kotut, Ann Hoang, Havisha Panda, Jennifer Shenk, Phyllis Newbill, Derek Kellogg, D. Scott McCrickard. “Supporting Child-Group Interactions with Hands-off Museum Exhibit.” International Journal of Child-Computer Interaction.

10. **[CHI 2020]** **Lindah Kotut**, Michael Horning, Timothy L. Stelter and D. Scott McCrickard. “Preparing for the Unexpected: Community Framework for Social Media Use and Social Support by Trail Thru-Hikers.” ACM CHI Conference on Human Factors in Computing Systems., Honolulu, HI. April 2020. [24.3% Acceptance Rate]
11. **[CHI 2020]** **Lindah Kotut**, Neelma Bhatti, Morva Saaty, Derek Haqq, Timothy L. Stelter and D. Scott McCrickard. “Clash of Times: Respectful Technology Space for Integrating Community Stories in Intangible Exhibits.” ACM CHI Conference on Human Factors in Computing Systems., Honolulu, HI. April 2020. [24.3% Acceptance Rate]
12. **[FIE 2020]** Andrey Esakia, **Lindah Kotut**. “Smartwatch-Centered Design and Development in Mobile Computing Classes.” 2020 IEEE Frontiers in Education Conference (FIE), Uppsala Sweden. October 2020.
13. **[GROUP 2020]** **Lindah Kotut**, Timothy L. Stelter, Michael Horning and D. Scott McCrickard. “Willing Buyer, Willing Seller: Personal Data Trade as a Service.” ACM International Conference on Supporting Group Work (GROUP '20)., Sanibel Island, FL. January 2020. [26.3% Acceptance Rate]
14. **[GROUP 2020]** Shuo Niu, D. Scott McCrickard, Julia Nguyen, Derek Haqq, **Lindah Kotut**, Timothy L. Stelter and Edward Alan Fox. “Investigating Paradigms of Shared Overviews in Multiple Display Environments.” ACM International Conference on Supporting Group Work (GROUP '20)., Sanibel Island, FL. January 2020. [31.5% Acceptance Rate]
15. **[GROUP 2020]** **Lindah Kotut**, “Using Stories to Understand Technology Needs and Technology Reuse by Rural Communities.” ACM International Conference on Supporting Group Work (GROUP '20)., Sanibel Island, FL. January 2020.
16. **[AfriCHI 2018]** **Lindah Kotut**, Ann Hoang, Jennifer Shenk, Havisha Panda and D. Scott McCrickard. “Technology at the Museum: The Missing Voice.” In Proceedings of The ACM African Conference for Human Computer Interaction (AfriCHI). Windhoek, Namibia, December 2018.
17. **[UrbComp 2018]** Swapna Thorve, **Lindah Kotut**, Mary Semaan. “Privacy Preserving Smart Meter Data.” The 7th International Workshop on Urban Computing (UrbComp), London, UK, Aug. 2018.
18. **[CYBERSEC 2018]** **Lindah Kotut**, and Luay A. Wahsheh, “Survey of Cyber Security Challenges and Solutions in Smart Grids,” 2016 Cybersecurity Symposium (CYBERSEC), Coeur d’Alene, ID, 2016.

Book Chapters

19. **[HCI Outdoors]** Lindah Kotut, Scott McCrickard. “Opportunities in Conflict on the Trail.” In HCI Outdoors: Theory, Design, Methods and Applications. Springer International Publishing. 2020.

Workshop Proceedings (Lightly Reviewed)

20. **[CHI 2020]** Lindah Kotut and D. Scott McCrickard. “Amplifying the Griot: Design Fiction for Development as an Inclusivity Lens.” Workshop on Understanding the Past, Present, and Future of Design Fictions at CHI. Honolulu, HI. April 2020.
21. **[CSCW 2018]** Lindah Kotut, Michael Horning, Derek Haqq, Shuo Niu, Timothy Stelter, D. Scott McCrickard. “Tensions on Trails: Understanding Differences between Group and Community Needs in Outdoor Settings.” Rural Computing Workshop at CSCW. Jersey City, NJ. November 2018.
22. **[CHI 2018]** Lindah Kotut, Michael Horning, Steve Harrison, Scott McCrickard. “Opportunity in Conflict: Understanding Tension Among Key Groups on the Trail.” HCI Outdoors Workshop at CHI. Montreal, Quebec. April 2018.
23. **[GROUP 2018]** Lindah Kotut, Michael Horning, Scott McCrickard. “Who’s on the Trail: Identifying Trail Uses with Affinity Diagrams.” Workshop on Technology on the Trail at ACM GROUP 2018. Sanibel Island, FL. August 2018.

Invited Talks and Posters

24. *Invited Talk*: “Contextual Canaries: Addressing Information Asymmetry and Navigating Design with Unwritten Stories” DUB Seminar–University of Washington. February 2024.
25. *Keynote*: “Stories of Agency and Power: Indigenous Knowledge and HCI” MHCI+D Immersion Studio. September 2023.
26. *Invited Talk*: “The Long Way Home: Understanding Technology Needs and Technology Use by Trail Thru-Hikers” Brigham Young University. March 2022.
27. *Invited Talk*: “Amplifying the Griot: (Ancient) Stories Guiding the Design of Fair, Equitable, and Transparent Systems” DUB Seminar–University of Washington. October 2021.
28. *Invited Talk*: “Amplifying the Griot: (Ancient) Stories Guiding the Design of Fair, Equitable and Transparent Systems” Responsible Data Science and AI speaker series at the University of Illinois at Urbana-Champaign. September 2021.
29. *Invited Talk*: “Clash of Times: Respectful Technology Space for Integrating Community Stories in Intangible Exhibits.” Third Space Research Group – University of Toronto. July 2020.
30. [Tapia 2020] Lindah Kotut. “Connecting while Disconnected: Technology Use by Long Distance Hikers on the Appalachian Trail.” ACM Richard Tapia Celebration of Diversity in Computing Conference (Tapia 2020). Online. September 2020. (*Peer Reviewed Poster*)
31. 🏆 [GROUP 2020] Lindah Kotut. “Using Stories to Understand Technology Needs and Technology Reuse by Rural Communities.” ACM International Conference on Supporting Group Work (GROUP ‘20), Sanibel Island, Florida. January 2020. *Best Poster Award*
32. [CRA-URMD’20] Lindah Kotut. “All Things Considered: Stories as Signals and Guides to Understand and Design for Unmet Needs.” Computing Research Association Grad Cohort for Underrepresented Minority and People with Disability, Austin, Texas.
33. [CRA-URMD’19] Lindah Kotut. “Designing for Playful Interactions at a Hands-off Evolving Exhibit.” Computing Research Association Grad Cohort for Underrepresented Minority and People with Disability, Kona, Hawaii.

Theses

34. 🏆 [PhD] **Dissertation**: “Amplifying the Griot: Technology for Preserving, Retelling, and Supporting Underrepresented Stories.” **Committee**: D. Scott McCrickard (Chair) Naren Ramakrishnan, Tanu Mitra, Michael Horning, and Norman Su. *2022 Outstanding Dissertation Award, STEM*
35. [MSc] **Thesis**: “Trust But Verify: Towards Assessing Permission Risk And Effective Presentation Of Evaluations To The End User.” **Committee**: Luay A. Wahsheh (Chair), Jonathan Graham, Felicia Doswell
36. [BSc] **Honors Thesis**: “Abnormal Data Detection in Cyber Physical Systems: A Statistical Outlier Approach” **Thesis Advisors**: Wenjia Li, Ardian Greca

TEACHING EXPERIENCE

Note: New courses developed are mapped with the † notation

Instructor, University of Washington, Seattle, WA

- INFO 415: Topics in Cybersecurity: Open-Source Intelligence (OSINT)† (34 Students) WIN 2024
- INFO 464: Value Sensitive Design (31 students) WIN 2024
- INSC 598: Privacy, Surveillance & Trust† (Graduate) (10 students) AUT 2023
- INFO 415: Special Topics in Cybersecurity: Risk Assessment† (35 students) AUT 2023
- INFO 360: Design Methods (70–72 students) WIN 2023, 2022
- INSC 598: Critical and Cultural Dimensions in Information Science† (Graduate) AUT 2022
- INFO 415: Emer. Topics in Info. Assurance and Cybersecurity (19–34 students) AUT 2022, 2021

Instructor of Record, Virginia Tech, Blacksburg, VA

- CS 2104: Intro. to Problem Solving in Comp. Science (50–70 students per (two) section) 3 Semesters

- CS 1114: Introduction to Software Design (*35–300 students*) 7 Semesters
 - CS 1054: Introduction to Programming with Java (*6–15 students*) 4 Summer Sessions
- Graduate Teaching Assistant**, Virginia Tech, Blacksburg, VA
- CS 2114: Software Design & Data Structures Spring 2018
 - CS 1114: Introduction to Software Design Fall 2016 – Fall 2019
- Graduate Teaching Assistant**, Norfolk State University, Norfolk, VA
- CS 170/170L: Computer Programming I (C++), with Lab Fall 2014 - Spring 2015

AWARDS

- 2023: Best Paper, Honorable Mention Award (ACM GROUP)
- 2022: Best Paper, Honorable Mention Award (ACM CHI)
- 2022: Virginia Tech’s Outstanding Dissertation Award in Science, Technology, Engineering and Mathematics (STEM)
- 2020: Instructor of the Year (Department of Computer Science, Virginia Tech)
- 2020: Travel/Presentation Grant by ACM Richard Tapia Celebration of Diversity in Computing
- 2020: Best Poster – ACM International Conference on Supporting Group Work (ACM GROUP)
- 2018–2019: Travel Grants by Virginia Tech’s Center for Human Computer Interaction (2 Awards), Graduate Student Council (1 Award) and the Computer Science Department (4 Awards)
- 2018: *The Gardenator* Project won both the VTURCS Marston Award for Most Entrepreneurial Project; and the Research Capstone Award
- 2015–2019: Travel Grants by Computing Research Association (CRA) to attend the CRA-W and CRA-URMD Graduate Cohorts
- 2016: Outstanding Graduate Student in Computer Science (Norfolk State)
- 2013: Silver Addy Award for Design and Development: “True Blue Holiday Countdown” Application and “The President’s Report” Website (Georgia Southern)
- 2012: University Honors Scholar Graduate (Georgia Southern)
- 2010: Outstanding Student in Computer Science (Darton College)

ADVISING AND MENTORING

Current PhD Students

- Hummd Alikhan, Information Science *Autumn 2022 – Present*
- Amelia Dogan, Information Science (NSF Graduate Research Fellow) *Autumn 2023 – Present*

Dissertation Committees

- Neilly Herrera Tan, PhD HCDE (*GSR*) *Autumn 2022 – Present*
- Megumi Kivuva, PhD Information Science (*Advisory Committee*) *2023*
- Ziyue Li, PhD Information Science (*Advisory Committee*) *2023*

Graduate Research Advising

- 2023/2024: Damian Hodel – PhD Information Science *Independent Study* Autumn 2023 – Present
- 2023/2024: Neelesh Agrawal – PhD Information Science *Independent Study/Practica* Autumn 2023 – Present

Undergraduate Research Advising

- 2023: Andrew Chen (*Honors Research*, University of Washington)
- 2022: Hanna Lee, John Nguyen, Noa Roth (*Independent Study*, University of Washington)
- 2020: Julia Nguyen, Kelly Ervin (*Independent Study*, Virginia Tech)
- 2019: Julia Nguyen (*Senior Capstone*, Virginia Tech)
- 2018: Ann Hoang, Jennifer Shenk, Havisha Panda (*Senior Capstone*, Virginia Tech)
- 2016: James Crawford (Allen University), Jonah Yurko-Galvin (Norfolk State University), Sylvio Garcia III (University of Virgin Islands) Yihnew Eshetu (University of Virginia) - (*Summer Research (NSF)*, Norfolk State University)
- 2015: Eniola Adamson (Tennessee State), James Gadson (Allen University), Eliaking Del Rosario, Allyssa Williams, and Gabriel Ramos (University of Virgin Islands) - (*Summer Research (NSF)*, Norfolk State University)

Mentoring

- 2017, 2018: **Graduate Mentor** - TechGirls (*Sponsored by U.S. Department of State*)
- 2016: **Graduate Mentor** - Cybersecurity Summer Internship (*Sponsored by NNSA and U.S. DoD*)
- 2015: **Graduate Mentor** - Summer Internship at Norfolk State University (*Sponsored by NSF*)

PROFESSIONAL DEVELOPMENT

- 2023: Faculty Success Program (Spring) – NCFDD

SERVICE

Internal Service

iSchool Committees

- 2022–2024: MHCI+D Faculty Group + Admissions
- 2023–2023: MSIM Admissions Committee
- 2021–2022: Ph.D. Admissions Committee

Reviewer: University of Washington Royalty Research Fund 2022

Judge: iSchool Research Capstone Award 2022

External Service

Organizing Committee

- 2022/2023: ACM International Conference on Supporting Group Work

Program Committee/Associate Chair

[†]*Special Recognition for Outstanding Paper Reviewing*

- 2024: Conference on Human Factors in Computing Systems (CHI)^{††}
- 2023: Conference on Human Factors in Computing Systems (CHI)[†]
- 2023: ACM International Conference on Supporting Group Work (GROUP)
- 2022: Conference on Human Factors in Computing Systems, Late-Breaking Work (CHI)
- 2020: ACM International Conference on Supporting Group Work (GROUP)

External Reviewer

[†]*Special Recognition for Outstanding Paper Reviewing*

- 2024: Conference on Designing Interactive Systems (DIS)
- 2024: Computer-Supported Cooperative Work and Social Computing (CSCW)[†]

2023: African Human Computer Interaction Conference (AfriCHI)
2023: Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
2022: Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)[†]
2022: Conference on Human Factors in Computing Systems (CHI)
2021: Conference on Human Factors in Computing Systems (CHI)
2020: Conference on Human Factors in Computing Systems (CHI)[†]
2020: Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
2020: Frontiers in Education (FIE)
2020: Interaction Design and Children (IDC)
2020: ACM International Conference on Supporting Group Work (GROUP)
2019: Conference on Human Factors in Computing Systems (CHI)

Student Volunteer

2020: Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)