

Andrew L. Kun

Curriculum vitae – updated February 2025

www.andrewkun.com

EMPLOYMENT HISTORY

1999-present	University of New Hampshire, Electrical and Computer Engineering Department
2019-present	Professor
2006-2019	Associate Professor
2000-2006	Assistant Professor
1999-2000	Visiting Professor
1997-1999	Development Engineer, Falmouth Scientific, Inc.

EXTERNAL APPOINTMENTS

2014-2017	Faculty Fellow, Volpe, Nat'l Transportation Systems Center, Cambridge, MA
Spring 2014	Fulbright Fellow, Budapest University of Tech. and Econ., Budapest, Hungary

EDUCATION

1997	PhD, Engineering (Electrical Engineering option), University of New Hampshire
1994	MS, Electrical Engineering, University of New Hampshire
1992	BS, Electrical Engineering, University of New Hampshire

PUBLICATION HIGHLIGHTS

Topic: Future of work

- Orit Shaer, Angelora Cooper, Osnat Mokryn, Andrew L. Kun, and Hagit Ben Shoshan. 2024. "AI-Augmented Brainwriting: Investigating the use of LLMs in group ideation." *Proceedings of CHI*.
- Nabil Al Nahin Ch, Alberta A. Ansah, Atefeh Katrahmani, Julia Burmeister, Andrew L. Kun, Caitlin Mills, Orit Shaer, and John D. Lee. 2023. "Virtual nature experiences and mindfulness practices while working from home during COVID-19: Effects on stress, focus, and creativity." *International Journal of Human-Computer Studies*.
- Gloria Mark, Andrew L. Kun, Sean Rintel, and Abigail Sellen. 2022. "Introduction to this special issue: the future of remote work: responses to the pandemic." *Human-Computer Interaction*.
- Thomaz Teodorovicz, Andrew L. Kun, Raffaella Sadun, and Orit Shaer. 2022. "Multitasking while driving: A time use study of commuting knowledge workers to assess current and future uses." *International Journal of Human-Computer Studies*.
- Andrew L. Kun, Orit Shaer, and Shamsi Iqbal. 2021. "The Future of Work: COVID-19 and Beyond." *IEEE Pervasive Computing*.
- Thomaz Teodorovicz, Raffaella Sadun, Andrew L. Kun and Orit Shaer. 2021. "How does working from home during COVID-19 affect what managers do? Evidence from time-Use studies." *Human-Computer Interaction*.
- Christian P. Janssen, Stella F. Donker, Duncan P. Brumby, and Andrew L. Kun. 2020. "History and future of human-automation interaction," *International Journal of Human-Computer Studies*.

Topic: User interfaces in vehicles

- Nabil Al Nahin Ch, Jared Fortier, Christian P. Janssen, Orit Shaer, Caitlin Mills, and Andrew L. Kun. 2024. "Text a Bit Longer or Drive Now? Resuming Driving after Texting in Conditionally Automated Cars." *Proceedings AutomotiveUI*.

- Christian P. Janssen, Linda Ng Boyle, Andrew L. Kun, Wendy Ju, and Lewis L. Chuang. 2019. “A hidden markov framework to capture human–machine interaction in automated vehicles.” *International Journal of Human–Computer Interaction*.
- Christian P. Janssen, Shamsi T. Iqbal, Andrew L. Kun, and Stella F. Donker. 2019. “Interrupted by my car? Implications of interruption and interleaving research for automated vehicles,” *International Journal of Human-Computer Studies*.
- Andrew L. Kun. 2018. “Human-Machine Interaction for Vehicles: Review and Outlook,” *Foundations and Trends in Human–Computer Interaction*.
- Andrew L. Kun, Susanne Boll, and Albrecht Schmidt. 2016. “Shifting gears: User interfaces in the age of autonomous driving.” *IEEE Pervasive Computing*.
- Andrew L. Kun, Alexander Shyrovkov, and Peter A. Heeman. 2013. “Interactions between human–human multi-threaded dialogues and driving.” *Personal and Ubiquitous Computing*.

Topic: Using visual behavior and pupil diameter to assess cognitive state

- Niveta Ramkumar, Vijay Kothari, Caitlin Mills, Ross Koppel, Jim Blythe, Sean Smith, Andrew L Kun. 2020. “Eyes on URLs: Relating Visual Behavior to Safety Decisions.” *Proceedings of ETRA*.
- Bastian Pfleging, Drea Fekety, Andrew L. Kun, and Albrecht Schmidt. 2016. “A Model Relating Pupil Diameter to Mental Workload and Lighting Conditions.” *Proceedings of CHI*.
- Oskar Palinko, Andrew L. Kun, Alexander Shyrovkov, and Peter Heeman. 2010. “Estimating cognitive load using remote eye tracking in a driving simulator.” *Proceedings of ETRA*.

EXTERNAL FUNDING

2022-2025	“US-German Research on Human-Automation Interaction for the Future of Work” PI, \$300k 2-university NSF grant led by UNH. UNH portion is \$236k.
2018-2024	“The Next Mobile Office for Knowledge Workers” PI, \$2.25 million 5-university NSF grant led by UNH. UNH portion is \$450k.
2016-2019	“US-German Research on HCI in Ubiquitous Computing” PI, \$250k 2-university NSF grant led by UNH. UNH portion was \$212k.
2013-2016	“Human-Computer Interaction in Ubiquitous Computing” PI, \$250k NSF grant.
2004-2013	“Consolidated Advanced Technologies for Law Enforcement” – multiple grants PI, \$16.7 million in US Dept. of Justice grants for mobile computing in law enforcement.
2004-2008	“Multi-Threaded Dialogues For Real-Time Applications” Co-PI, \$580k 3-university NSF grant. UNH portion was \$217k.

INTERNAL FUNDING

2019-2020	“Toward automatically detecting mind-wandering while driving” Co-PI on \$30k grant by the UNH Collaborative Research Excellence Initiative.
2019	Driving simulator purchase for Kun’s HCI Lab PI, \$100k from the UNH ECE Department, CEPS Dean, and UNH Research Office
2016	“Smart transportation systems at the University of New Hampshire” Co-PI on \$75k grant by the Office of the Vice Provost for Research.

PROFESSIONAL ACTIVITIES

2025	CHIWORK Student Consortium Co-Chair
2025	ACM MobileHCI Workshops and Demos Co-Chair
2024	Special issue co-editor, "Life and Work at Home," IEEE Pervasive Computing
2022	Co-general chair, Symposium on HCI for Work (CHIWORK)
2021	Co-founder of the Symposium on HCI for Work (CHIWORK)
2021-present	Associate editor, Human-Computer Interaction (HCI) journal
2021	Special issue co-editor, "The Future of Remote Work," HCI journal
2021	Special issue co-editor, "The Future of Work," IEEE Pervasive Computing
2020	Program co-chair: ACM MobileHCI and ACM TEI
2020-present	Associate editor, International Journal of Human-Computer Studies
2017-present	Associate editor, IEEE Pervasive Computing Magazine
2016-2023	Co-organizer of 5 Dagstuhl seminars
2012	General chair AutomotiveUI
2010	Program co-chair AutomotiveUI

RESEARCH COMMUNITY SERVICE

2023-present	CHIWORK Steering Committee Co-Chair
2022-2023	ACM SIGCHI Executive Vice President
2021-2022	ACM SIGCHI Vice President for Finance
2020-2021	ACM SIGCHI Interim Vice President for Conferences
2019-2020	ACM SIGCHI Conferences Board member
2017-2023	ACM AutomotiveUI conference Steering Committee (co-chair 2017-2020)

INVITED PRESENTATIONS & PANELS

2022	"SIGCHI@40 Plenary Panel" Plenary panel moderator at the CHI 2022 conference
2021	"The future of work and wellbeing: From automated vehicles to working from home" Keynote at Sensiblend Workshop, held as part of the Ubicomp 2021 conference
2020	"Panel on aspirations for TEI practice, design and research" Panelist at the TEI 2020 conference
2019	"Work and wellbeing in cars" Keynote at 2019 World Usability Day, Technische Hochschule Ingolstadt (THI)
2019	"Science and Society: How can governments, scientists, and industry prepare for the future?" Panel moderator at the AutomotiveUI 2019 conference
2019	"In-vehicle interfaces: From manual driving to the mobile office" Keynote at Liberty Mutual Insurance's 2019 Accelerate Technology Conference
2017	"Human-machine interaction for vehicles" Keynote at the AutomotiveUI 2017 conference

MENTORING

- PhD advisor for students at UNH:
 - Alberta Ansah, Current
 - Nabil Ch, PhD 2023
 - Zeljko Medenica, PhD 2012
 - Alexander Shyrovkov, PhD 2010
- Host for Fulbright scholar Alexander Mirnig (Austrian Institute of Technology), Spring 2024
- PhD committees at UNH and other institutions:
 - Stella Ansah, UNH, Committee member, Current
 - Yue Liang, UNH, Committee member, Current
 - Nadia Fereydooni, Georgia Tech, Committee member, 2024
 - Justin Edwards, University College Dublin, External Examiner, 2023
 - Matti Krüger, Ludwig Maximilian University, Germany, External evaluator, 2022
 - Andrew Stevens, UNH, Committee member, 2021
 - Shadan Sadeghian Borojeni, University of Oldenburg, Germany, Co-supervisor, 2018
 - Renate Haeuselschmid, Ludwig Maximilian University, Germany, External evaluator, 2018
 - Mahdi Hameed Al-Badrawi, UNH, Committee member, 2017
 - Minjuan Wang, Chamlers University, Sweden, Opponent, 2017
 - Bastian Pfleging, University of Stuttgart, Germany, External evaluator, 2016
 - Jessica Villing, University of Gothenburg, Sweden, Opponent, 2015
 - Dragan Vidacic, UNH, Committee member, 2009
 - Mike Dalton, UNH, Committee member, 2008
 - Pavlo Melnyk, UNH, Committee member, 2008
- MS advisor for 23 graduated students at UNH, 2000 to present
- MS co-supervisor for Hidde van der Meulen, Utrecht University, Netherlands, 2016

TEACHING

Created new courses

- Human-Computer Interaction and the Future of Work (interdisciplinary graduate course)
- Neural Networks (electrical/computer engineering undergraduate/graduate course)
- Research and Development from Concept to Communication (interdisciplinary graduate course)
- Speech Signal Processing (electrical/computer engineering graduate course)
- Ubiquitous Computing (interdisciplinary graduate course)
- Ubiquitous Computing Fundamentals (interdisciplinary undergraduate/graduate course)

Taught broad range of courses at undergraduate and graduate level, in-person and online

- Introduction to Electrical Engineering (mechanical engineering undergraduate course)
- Introduction to Digital Signal Processing (electrical/comp. engineering undergrad/grad course)
- Introduction to Digital Systems (electrical/computer engineering and CS undergraduate course)
- Digital Signal Processing (electrical/computer engineering graduate course)
- Signals & Systems (electrical/computer engineering undergraduate course)

INTERNAL SERVICE AT THE UNIVERSITY OF NEW HAMPSHIRE (SELECTION)**Service in the Electrical and Computer Engineering Department**

2014-present Graduate Committee Member (committee chair 2014-2020)
2017-2020 Honors Advisor
2014-2018 International Program Coordinator
2014-2019 Faculty Search Committee Chair (4 times) and member (2 times)

Service in the College of Engineering and Physical Sciences

2019-2020 Promotion and Tenure Committee
2018-2019 Graduate Committee
2005-2018 College of Eng. and Physical Sciences "Frontiers Lecture Series" co-founder and co-chair

Service at the University level

2023-present UNH Awards Committee member
2022-present ECE Department Liaison to Hamel Center for Undergraduate Research
2016-2019 UNH Financial Conflicts of Interest Disclosure Review Committee
2014-2016 Faculty Senate – representing the ECE department

AWARDS

- AutomotiveUI, 2024. Honorable mention paper. (Nabil Ch, et al. "Text a Bit Longer or Drive Now? Resuming Driving after Texting in Conditionally Automated Cars.")
- University of New Hampshire 2024-2025 Faculty Scholar Award
- CHIWORK Annual Meeting, 2022. Honorable mention. (A.A. Ansah, et al. " 'I need to respond to this' –Contributions to group creativity in remote meetings with distractions.")
- Int'l Journal of Human-Computer Studies, 2021. Outstanding Service to the Journal's Editorial Board
- 6th Int'l Workshop on Pervasive Urban Applications, 2017. Best paper. (A.W. Smith, A.L. Kun, J. Krumm. "Predicting Taxi Pickups in Cities: Which Data Sources Should We Use?")
- AutomotiveUI, 2015. Best paper. (A.L. Kun, J. Wachtel, W. T. Miller, P. Son, M. Lavallière. "User interfaces for first responder vehicles: views from practitioners, industry, and academia.")