1. User Experience Design Professionals' Perceptions of Generative Artificial Intelligence

Download Link: https://doi.org/10.1145/3613904.3642114

Summary: This CHI 2024 study examines how Generative AI impacts User Experience Design practice through interviews with 20 UX designers across companies from startups to large enterprises. The research explores designers' attitudes, concerns, and expectations regarding GenAI integration into their workflows. Findings reveal that experienced designers view GenAI as an assistive tool that enhances productivity while maintaining confidence in their creativity and empathy skills. However, concerns emerge about skill degradation and job displacement for junior designers who may become mere "prompters" rather than learning systematic design. The study emphasizes human factors of "enjoyment" and "agency" in human-AI collaboration, highlighting implications for copyright, creativity, and AI literacy in responsible UX design practices.

2. Human-Computer Interaction and AI: What practitioners need to know to design and build effective AI system from a human perspective

Download Link: https://glassmanlab.seas.harvard.edu/papers/Human-Computer_Interaction_and_AI_CHIcourse23.pdf

Summary: This CHI 2023 course paper addresses the essential knowledge HCI practitioners need for building AI-powered systems that work effectively for humans. The work covers current AI capabilities, design approaches for usable AI systems, and user mental models of AI tools. Key topics include designing for AI failures, feedback mechanisms, data fairness, ethics, and explainable AI algorithms. The authors emphasize understanding both technical AI capabilities and human expectations to avoid creating unintelligible AI tools. The paper provides practical guidance on human-in-the-loop systems, AI trust building, and addresses challenges like AI hallucinations and fairness considerations. This comprehensive resource bridges theory and practice from academic and industrial perspectives for effective human-AI system design.

3. Unlocking the User Experience of Generative AI Applications: Design Patterns and Principles

Download Link: https://generativeaiandhci.github.io/papers/2024/genaichi2024_47.pdf

Summary: This CHI 2024 workshop paper presents research conducted by Google LLC to understand user mental models and interaction preferences with generative AI applications in enterprise settings. The study employed a three-step approach: UX workshop and design challenge, prototype development, and user evaluation with 15 participants across three scenarios. Four key insights emerged: helping users explore generative variability, building trust through citations and transparency, giving users control over generated responses, and improving results through strategic feedback collection. The research validates existing design guidelines while providing practical microinteraction patterns. Findings emphasize the importance of user control mechanisms, transparency about system workings, and moderated user studies over unmoderated sessions for evaluating generative AI interfaces. The work offers actionable guidance for developing effective generative AI applications.

4. Generative AI in User Experience Design and Research: How Do UX Practitioners Use GenAI in Industry

Download Link: https://dl.acm.org/doi/10.1145/3643834.3660720 (ACM Digital Library access required)

Summary: This DIS 2024 paper (related to CHI community) investigates how UX practitioners, teams, and companies integrate Generative AI into their workflows in real industry settings. The research examines current adoption patterns, challenges, and opportunities for GenAI in UX design and research processes. Through empirical study of professional practices, the work identifies how different organizational contexts affect GenAI integration and explores the practical implications for the UX profession. This industry-focused research provides insights into the actual deployment and usage patterns of generative AI tools within design teams, complementing theoretical frameworks with real-world application scenarios and adoption challenges faced by practitioners.

5. Participatory Design in Human-Computer Interaction: Cases, Characteristics, and Lessons

Download Link:
https://www.littledesign.org/wp-content/uploads/2025/02/chi25-PD-in-HCI.pdf

Summary: This CHI 2025 award-winning paper provides a comprehensive analysis of Participatory Design (PD) applications in HCI research through examination of 185 papers. The study identifies PD application areas including Healthcare & Well-being (34.05%), Education & Learning (15.68%), and Communication & Social Media (13.51%). The research reveals that 84.32% of papers address human-centered matters through PD approaches. While not directly focused on AI applications, this work establishes important methodological foundations for human-centered design approaches that are crucial for AI system development. The paper contributes valuable insights into participatory methodologies that can enhance user involvement in AI application design, supporting more inclusive and user-centered AI development processes.