

Published peer-reviewed publications

- 2025 **Hubert Dariusz Zajac** and Niels Kvorning Ternov. 2025. Reframing Automation Benefits: A Human-Centered Approach to Expanding the Value of AI-Generated Reports in Healthcare. In Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (**CHI EA '25**), April 26-May 1, 2025, Yokohama, Japan. ACM, New York, NY, USA, 8 pages. <https://doi.org/10.1145/3706599.3719979>
- 2025 **Hubert D. Zajac**, Tariq O. Andersen, Elijah Kwasa, Ruth Wanjohi, Mary K. Onyinkwa, Edward K. Mwaniki, Samuel N. Gitau, Shawnim S. Yaseen, Jonathan F. Carlsen, Marco Fraccaro, Michael B. Nielsen, and Yunan Chen. 2025. Towards Clinically Useful AI: From Radiology Practices in Global South and North to Visions of AI Support. *ACM Trans. Comput.-Hum. Interact.* (February 2025). <https://doi.org/10.1145/3715115> (**TOCHI**)
- 2025 Amelia Jiménez-Sánchez, Natalia-Rozalia Avlona, Dovile Juodelyte, Théo Sourget, Caroline Vang-Larsen, Anna Rogers, **Hubert Dariusz Zajac**, and Veronika Cheplygina. 2025. Copycats: the many lives of a publicly available medical imaging dataset. *Advances in Neural Information Processing Systems* 37, (January 2025), 113383–113404. (**NeurIPS**)
- 2024 **Hubert Dariusz Zajac**, Jorge Miguel Neves Ribeiro, Silvia Ingala, Simona Gentile, Ruth Wanjohi, Samuel Nguku Gitau, Jonathan Frederik Carlsen, Michael Bachmann Nielsen, and Tariq Osman Andersen. 2024. “It depends”: Configuring AI to Improve Clinical Usefulness Across Contexts. In *Proceedings of the 2024 ACM Designing Interactive Systems Conference (DIS '24)*, July 01, 2024. Association for Computing Machinery, New York, NY, USA, 874–889. <https://doi.org/10.1145/3643834.3660707>
- 2023 **Hubert Dariusz Zajac**, Natalia Rozalia Avlona, Finn Kensing, Tariq Osman Andersen, and Irina Shklovski. 2023. Ground Truth Or Dare: Factors Affecting The Creation Of Medical Datasets For Training AI. In *Proceedings of the 2023 AAAI/ACM Conference on AI, Ethics, and Society (AIES '23)*, August 29, 2023. Association for Computing Machinery, New York, NY, USA, 351–362. <https://doi.org/10.1145/3600211.3604766>
- 2023 **Hubert Dariusz Zajac**, Dana Li, Xiang Dai, Jonathan Frederik Carlsen, Finn Kensing, and Tariq Osman Andersen. 2023. Clinician-Facing AI in the Wild: Taking Stock of the Sociotechnical Challenges and Opportunities for HCI. *ACM Trans. Comput.-Hum. Interact.* 30, 2 (March 2023), 33:1-33:39. <https://doi.org/10.1145/3582430> (**TOCHI**)
- 2022 **Hubert Dariusz Zajac**. 2022. Designing ground truth for Machine Learning - conceptualisation of a collaborative design process between medical professionals and data scientists. In *Proceedings of 20th European Conference on Computer-Supported Cooperative Work (Poster)*, 2022. European Society for Socially Embedded Technologies (EUSSET). https://doi.org/10.48340/ecscw2022_p04 (**ECSCW**)
- 2021 Dana Li, Lea Marie Pehrson, Carsten Ammitzbøl Lauridsen, Lea Tøttrup, Marco Fraccaro, Desmond Elliott, **Hubert Dariusz Zajac**, Sune Darkner, Jonathan Frederik Carlsen, and Michael Bachmann Nielsen. 2021. The Added Effect of Artificial Intelligence on Physicians’ Performance in Detecting Thoracic Pathologies on CT and Chest X-ray: A Systematic Review. *Diagnostics* 11, 12 (2021), 2206. <https://doi.org/10.3390/diagnostics11122206>

2020 Jess McIntosh, **Hubert Dariusz Zajac**, Andreea Nicoleta Stefan, Joanna Bergström, and Kasper Hornbæk. 2020. Iteratively Adapting Avatars using Task-Integrated Optimisation. In *Proceedings of the 33rd Annual ACM Symposium on User Interface Software and Technology (UIST '20)*, October 20, 2020. Association for Computing Machinery, New York, NY, USA, 709–721. <https://doi.org/10.1145/3379337.3415832>

Submitted publications under peer-review

2025 Accepted not yet published Amelia Jiménez-Sánchez (corresponding author), Natalia-Rozalia Avlona, Sarah de Boer, Víctor M. Campello, Aasa Feragen, Enzo Ferrante, Melanie Ganz, Judy Wawira Gichoya, Steff Groefsema, Alessa Hering,..., **Hubert Dariusz Zajac**, Maria A. Zuluaga, Veronika Cheplygina. 2025. In the Picture: Medical Imaging Datasets, Artifacts, and their Living Review. Accepted to the 2025 ACM Conference on Fairness, Accountability, and Transparency (FAccT)

2025 Josh Andres (corresponding author), Chris Danta, Andrea Bianchi, Sahar Farzanfar, Gloria Milena Fernandez-Nieto, Alexa Becker, Tara Capel, Frances Liddell, Shelby Hagemann, Ned Cooper,..., **Hubert Dariusz Zajac**, Zhuying Li, Tianyi Zhang, Arneir Berge. 2025. Designing for Human-GenAI Entanglements: From ‘Users’ to ‘Assemblages’ via a Scenario-Based Design Workshop. Submitted to the ACM International Conference on Multimodal Interaction (ICMI ’25)

Books

2025 Chapter: “Konfigurerbar AI: Hvordan sikrer man klinisk anvendelighed på tværs af kontekst?” In the “Kunstig intelligens i sundhed” book FADL’s Forlag A/S ISBN: 9788794454209

Not peer-reviewed

2025 **Hubert D. Zajac**, Niels K. Ternov, and Tariq O. Andersen. 2025. Off the hAlgh horse: Realistically Supporting Dermatologists with Automated Reporting. In *CHI’25 Workshop: Envisioning the Future of Interactive Health*, 2025. Yokohama, Japan.

2022 **Hubert Dariusz Zajac** (2022): It takes a village to raise an AI system - realising AI potential in healthcare. In: Proceedings of the 20th European Conference on Computer-Supported Cooperative Work: The International Venue on Practice-centred Computing on the Design of Cooperation Technologies - Doctoral Colloquium, Reports of the European Society for Socially Embedded Technologies (ISSN 2510-2591), DOI: 10.48340/ecscw2022_dc02

2021 **Hubert D. Zajac**, Finn Kensing. 2021. Mitigating issues in Healthcare AI projects. In *CHI’21 Workshop: Realizing AI in Healthcare: Challenges Appearing in the Wild, May 2021, Yokohama, Japan.*