

Selected Publications

Hollomey, C. and Hackl-Lehner, P. (2025). A brief history of the digital audio workstation. In *2025 ICOHTEC/IEEE international history of high-technologies and their socio-cultural contexts conference (HISTELCON)* IEEE.

Haider, D., Perfler, F., Balazs, P., Hollomey, C., & Holighaus, N. (2025). ISAC: An Invertible and Stable Auditory Filter Bank with Customizable Kernels for ML Integration. *International Conference on Sampling Theory and Applications (SampTA)*,

Hollomey, C. and Holighaus, N. (2024). LTFATPY: Towards making a wide range of time-frequency representations available in Python. Proceedings of the 27th International Conference of Audio Effects (DAFX'24), Guildford, UK

Holighaus N., Koliander, G., Hollomey, C. and Pillichshammer, F. (2023). Grid-Based Decimation for Wavelet Transforms With Stably Invertible Implementation. *IEEE/ACM Transactions on Audio, Speech, and Language Processing*, Bd. 31, S. 789-801.

Köhlendorfer, L., Balazs, P., Casazza, P., Heineken, S., Hollomey, C., Morillas, P. and Shamsabadi, M. (2023). A Survey of Fusion Frames in Hilbert Spaces. In: *Sampling, Approximation, and Signal Analysis. Applied and Numerical Harmonic Analysis..* Birkhäuser, Cham S. 245-328.

Mejstrik, T. and Hollomey, C. (2023). Injection testing backed refactoring. Proceedings of the 27th European Conference on Pattern Languages of Programs 2022. Irsee S. Article No.: 6.

Majdak, P., Hollomey, C. and Baumgartner, R. (2022). AMT 1.x: A toolbox for reproducible research in auditory modeling. *Acta Acustica*, Bd. 6/19, S. 1-17.