Digital Transformations Amplification Award for *Weaving Codes – Coding Weaves*

What are the historical and theoretical points at which the practice of weaving and computer programming connect? What insights can be gained if we bring these activities together, through live-shared experience? How do digital technologies influence our ways of making?

Ellen Harlizius-Klück and Alex McLean pursue these questions in their project *Weaving Codes-Coding Weaves* by investigating patterns from the perspectives of weaving and music, and by developing a computer language and code for describing the construction of weaves. This approach aims at exemplifying the leading role which the Arts and Humanities can take in establishing new understanding of digital transformations, in terms of both in historical and contemporary change. Ancient looms in this context are seen as early digital art machines that prefigured concepts of dyadic arithmetic and logic.

With proposing this research project, Alex McLean and Kia Ng (Interdisciplinary Centre for Scientific Research in Music, University of Leeds) as Principal and Co-Investigators, and Ellen Harlizius-Klück (University of Hanover and Centre for Textile Research, Copenhagen University) as International Co-Investigator won the Digital Transformations Amplification Award offered by the Arts and Humanities Research Council (UK) for projects that exploit the potential of digital technologies to transform research in the Arts and Humanities.

Alex McLean at live coding performance in Hamburg


Ellen Harlizius-Klück weaving on a warp weighted loom in Munich.

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