



ANNIKA AGÉLII GENLOTT is a Ph.D. student in Informatics at Örebro University School of Business. She is a former teacher who has worked as a lecturer with school improvement and digitalization in Sweden on both local, regional and national level. Annika's research and doctoral dissertation focuses on digitalization in the school sector and on how school organizations sustainably can lead the transformational change inherent in such efforts.

This thesis concerns the use of digital technologies in schools to improve teaching and enhance learning. The focus of the thesis is to examine how experimentation and innovation processes in school can be designed and pursued to support and enhance digitalization across an entire school organization. The findings show that the design and use of the Information System Artifact model (ISA) together with a DSR development method can support both improved teaching and enhanced learning *within* and *across* a school organization. Effective use of digital technologies to improve teaching and learning across the school organization requires fundamental changes of ordinary practices and engagement as well as commitment from school authorities and school leaders.

This thesis contributes with empirically and theoretically based insights from leading (digital) transformational change in school through the iterative design of IS artifacts used as a driver and quality control for the shift from digitization towards digitalization aiming at improved teaching and enhanced learning.

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