

Mobile learning for challenge-based education – Enhancing engineering education with mobile-centred authentic, personalized and collaborative assignments (CEE/Innovation Fund)

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Mobility is a defining factor of today's world. In today's world, students learn in different settings, in and out of campus, in the train or at a café. Engineers collaborate with partners all over the world. This is made possible by mobile technology, which allows individuals to access information everywhere, and to do meaningful work on the go. However, there is yet a lack of evidence on promising practices and beneficial implementations of mobile technology in engineering. Hence, more evidence is needed on how to implement mobile learning – this calls for design research for designing and evaluating authentic mobile-learning assignments. As each discipline has different professional practices, assignments need to be co-designed between researchers and expert practitioners of each engineering discipline. Accordingly, this project aims to design and evaluate – for different engineering disciplines – prototypical mobile-learning assignments, which can be implemented in an authentic way through mobile technology.