

# *A Multi-Actor Multi-Criteria Approach for Technology Assessment and Foresight*

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## **Abstract**

In this presentation we will discuss the application of a multi-actor multi-criteria approach in order to analyze a technology market. To support this approach, we iteratively developed an IT artifact (PylaDESS) using a build-and-evaluate loop prescribed by the design science paradigm. To evaluate the design, we conducted a field study which consisted in collecting data from key Swiss industrial experts. The contributions of this research were both theoretical and practical. In terms of theory, we successfully demonstrated the use of multi-criteria decision-making methods (MCDM) for technology assessment and foresight. In terms of practical implications, we obtained a better understanding of the current status of mobile payments in Switzerland.