Abstract:
A main challenge in engineering represents the enabling of an effective and throughout acquisition and transfer of information and knowledge within decision processes. Decision processes can be very complex due to the various influence factors that have to be considered simultaneously. They can involve various stakeholders with different perspectives and levels of knowledge. The aggregation of different perspectives is vital for making good decisions due to the valuable insights and knowledge that they provide. To be able to support the decision making process effectively by integrating multiple perspectives an appropriate decision classification and description is very important. In this paper a generic classification and description method for engineering decision situations processes within large interdisciplinary companies is presented. The developed method serves as a basis for knowledge acquisition and transfer between the multiple perspectives involved in the same decision situation or process. The method was evaluated within four different product development decision situations at the vehicle