

# How to Learn from the Resilience of Human-Machine Systems?

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**Abstract:** In this paper, we aim to analyse the resilience of Human-Machine Systems (HMS) in order to improve it from learning process. A State of Art is achieved and resilience engineering of HMS is defined. Then, human-machines' learning processes supposed to improve systems' resilience and indicators proposed in the literature to assess it are analysed. A perspective can be to propose an efficient indicator, for instance based on Benefit-Cost-Deficit (BCD) model, which can lead to the system resilience characterisation.

*Keywords:* Human-Machine Systems, Resilience, BCD model, Learning process, Feedback/Feedforward control.

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