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Eleventh International Conference on System of Systems Engineering (SoSE) was held in Kongsberg, Norway between 12-16 June 2017. The conference addresses many fields such as control, computing, communication and information technology to solve system-of-systems engineering problems. One of the aims of the conference is to establish a discussion platform among the academics, practitioners and policy makers. The main theme of this eleventh conference was cyber physical systems.

Main purpose of the travel was to present the paper entitled as “Impact Assessment of Cyber Attacks: A Quantification Study on Power Generation Systems”. The aim of the study is to quantify the impact of cyber-attacks on industrial control systems used in power generation systems. Current decision support systems for cyber security cannot provide impact assessment of cyber threats on business processes which leads to inappropriate risk analysis results. This paper addresses this problem in a sample critical infrastructure. The constructs of reliability engineering is utilized for estimating the costs of cyber incidents in terms of reliability indices and monetary values. It brings an important contribution to the literature by closing the gaps between well-studied reliability engineering and relatively new cyber security field. This paper attracted the attention of audience as very few studies in the conference have dealt with the cyber security problems in cyber physical systems.