

Title: Representing Creative Knowledge: towards Generative Design of Power Systems

Abstract:

Generative design aims to provide automatic (rather than automated) generation of design decisions at the development cycle of high-technology industrial products. To make the generative design possible, creative engineering knowledge need to be represented in an appropriate machine readable format and consolidated in shared databases. In the report, these activities are reviewed in application to power systems engineering where digitalization is significantly lagging behind advanced manufacturing sectors such as aerospace or electronics.