# Interfacing and Replication of Electronic Machinery Using MATLAB/SIMULINK

**Authors :** Abdulatif Abdulsalam, Mohamed Shaban

**Abstract :** This paper introduces interfacing and replication of electronic tools based on the MATLAB/ SIMULINK mock-up package. Mock-up components contain dc-dc converters, power issue rectifiers, motivation machines, dc gear, synchronous gear, and more entire systems. Power issue rectifier model includes solid state device models. The tools are the clear-cut structure and mock-up of complex energetic systems connecting with power electronic machines.