

SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

COLLEGE OF GRADUATE STUDIES

**IDENTIFICATION AND CONTROL OF THE INVERTED
PENDULUM BY USING ARTIFICIAL NEURAL
NETWORKS**

التعريف و التحكم فى البندول المعكوس باستخدام الشبكات العصبية
الاصطناعية

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE DEGREE OF M. Sc. IN ELECTRICAL
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