

**Sudan University of Science and Technology**  
**College of Graduate Studies**

**DESIGN AND IMPLEMENTATION OF  
FIRING CONTROL SYSTEM USING  
MICROCONTROLLER**

XX

**A Thesis Submitted in Partial Fulfillment of the Requirements for  
the Degree of M.Sc. in Electrical Engineering (Control)**

**Prepared by:**

**Khalid Said Abdalla Mohamed**

**Supervised by:**

**Dr. Awadalla Taifour Ali**

December 2011