

بسم الله الرحمن الرحيم

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

**Indirect Field Oriented Control of Induction
Motor Drive by Using Fuzzy Logic Based
Controller**

تحكم توجيه المجال غير المباشر للتحكم في المحرك الحثي
باستخدام الحاكمة المنطقية الغامضة

**A Thesis Submitted in Fulfillment of the Requirements for the
Degree of Doctor of Philosophy in Electrical Engineering (Control)**

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