

**SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**COLLEGE OF GRADUATE STUDIES**

**FREQUENCY STABILITY OF FUTURE POWER  
SYSTEMS USING DISTRIBUTED STORAGE SYSTEMS.**

إستقرار التردد في أنظمة القدرة المستقبلية باستخدام أنظمة التخزين  
الموزعة

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

**PREPARED BY:**

**TARIG MUBARK SÆED BASHEIR**

**SUPERVISED BY:**

**Dr. GIDDANI OSMAN ADDALAN KALCON**

**SEP 2012**