



**SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**COLLEGE OF GRADUATE STUDIES**

**The use of Remote Sensing & Geographic Information System  
In Design studies and Documentation of Engineering Projects**

استخدام الاستشعار عن بعد ونظم المعلومات الجغرافية في دراسات التصميم  
وتوثيق المشاريع الهندسية

**Thesis submitted as a partial fulfillment of the degree of  
M.Sc in geodesy and GIS**

**By:**

**Hala Omar Hussein Omar**

**Supervisor:**

**Dr. Elhadi Elnazier Ibrahim Saeed**

**November 2014**