

## Sudan University of Science and Technology



## **College of Postgraduate Studies**

Performance Analysis for SDN Network using Opendaylight Controller And Onos Controller

تحليل الادائيه لشبكه المعرفة بالبرمجيات باستخدام كنترول الاوبن دي لايت وكنترول الاونس الاونس

A Thesis submitted in partial fulfillment of the requirement of M.sc degree in Electronics Engineering(Computer and Networking Engineering)

By:

Sara Alheiday Hassan Alheiday

Superviser:

Dr. Fath Elrahman Ismael Khalifa