## بسم الله الرحمن الرحيم

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

## **Stochastic Processes and SomeApplications**

العمليات العشوائية وبعض التطبيقات

A thesis Submitted in partial Fulfillment of the Requirements for the M.Sc. Degree in Mathematics

## submitted by

Salah Eldeen Ali Hassan Omer Osman

Supervised by

Dr. Emad Eldeen Abdallah Abdelrahim

September 2016