



The University of Manchester

By virtue of the powers granted to it by the Charter and Statutes and the authority of the Senate the University has this day awarded the Degree of

DOCTOR OF PHILOSOPHY

Manchester Business School

Informatics

to

Hafidh Taher Alawi Ba-Omar

who has satisfied the Examiners in the Final Examination for the Degree.



04 November 2008

Albert McTernan

Registrar and Secretary