

The University of Memphis

Memphis, Tennessee

The Tennessee Board of Regents for the State University and
Community College System of Tennessee upon the recommendation of
the Faculty of the University hereby confers upon

Shafiq Awar Abdulaziz Shakir

The degree of

Doctor of Philosophy

together with all the rights, privileges and honor appertaining thereto.

In Testimony Whereof, the seal of the State of Tennessee and the
signatures as authorized by the Board of Regents are herunto affixed

Given at Memphis, on the eighth day of May, two thousand ten.



Governor
Chairman, Tennessee Board of Regents



Chairman, Tennessee Board of Regents



President of the University