## The Oliv State University

hereby confers upon

Tekin Bicer

the degree of

Doctor of Philosophy

together with all the rights, privileges and honors appertaining thereto in consideration of the satisfactory completion of the course prescribed in

The Graduate School

In Testimony Mhereof, the seal of the University and the signatures as authorized by the Board of Trustees are hereunto affixed.

Given at Columbus on the fourth day of May, in the year two thousand fourteen and of the University the one hundred forty-fifth.

Teffrey Wardson the Chair of the Board of Trustees

Interim President of the University

Pice Chair of the Board of Trustees

Hice Chair of the Board of Trustees

Secretary of the Board of Trustees