

The Pennsylvania State University



By Authority of the Board of Trustees and
Upon Recommendation of the Faculty, Hereby Confers Upon

Alan Eduardo Arvelo

the degree of

Bachelor of Science

College of Earth and Mineral Sciences

In recognition of the completion of the Major in

Energy Engineering

With High Distinction

In Testimony Whereof the Undersigned Have Subscribed Their Names
and Affixed the Seal of the University this month of May, 2016.

Zeich E. Masser
President of the
Board of Trustees

Eric J. B...
President of the University

[Signature]
Executive Vice President
and Provost of the University