

Osama O. Awadelkarim

Dr. Osama O. Awadelkarim is the UNESCO Chair for “*Building Innovation and Manufacturing Capacities through Advanced Technology Education*”, and Professor of Engineering Science and Mechanics at the Pennsylvania State University. Dr. Awadelkarim is the Director of the Center for Nanotechnology Education and Utilization (CNEU), and the Director of the National Science Foundation Nanotechnology Applications and Career Knowledge (NACK) Resource Center. His education contributions focus on nanotechnology workforce development and on nanotechnology secondary and post-secondary education. His research interests are in electronic materials and devices. Dr. Awadelkarim has authored and coauthored over 200 articles in journals, books, chapters in books, and conference proceedings. Between 2006 and 2011 Dr. Awadelkarim served as a Senior Science Advisor to the Bureau of African Affairs and the Bureau of Oceans and International Environmental and Scientific Affairs at the U.S. Department of State. He is the Vice President of the Commission for the Development of the UNESCO’s Encyclopedia of Life Support Systems Theme on Nanoscience and Nanotechnologies. Dr. Awadelkarim is a Jefferson Science Fellow, and a member of the Executive Advisory Board for the National Nanotechnology Coordinated Infrastructure node at Stanford University.