

## **Biographical Sketch of Professor Osama A. Mohammed**

Dr. Mohammed is a Professor of Electrical Engineering and is the Director of the Energy Systems Research Laboratory at Florida International University, Miami, Florida. He received his Master and Doctoral degrees in Electrical Engineering from Virginia Tech in 1981 and 1983, respectively. He has performed research on various topics in power and energy systems in addition to computational electromagnetics and design optimization in electric machines, electric drive systems and other low frequency environments. He performed multiple research projects for several Federal agencies since 1990's dealing with; power system analysis, physics based modeling, electromagnetic signature, sensorless control, electric machinery, high frequency switching, electromagnetic Interference and ship power systems modeling and analysis. Professor Mohammed has currently active research programs in a number of these areas funded by DoD, the US Department of Energy and several industries.



Professor Mohammed is a world renowned leader in electrical energy systems and computational electromagnetics. He has published more than 400 articles in refereed journals and other IEEE refereed International conference records. He also authored a book and several book chapters. Professor Mohammed is an elected Fellow of IEEE and is an elected Fellow of the Applied Computational Electromagnetic Society. Professor Mohammed is the recipient of the prestigious IEEE Power and Energy Society Cyril Veinott electromechanical energy conversion award and the 2012 outstanding research award from Florida International University.

Professor Mohammed has lectured extensively with invited and plenary talks at major research and industrial organizations worldwide. He serves as editor of several IEEE Transactions including the IEEE Transactions on Energy Conversion, the IEEE Transactions on Smart Grid, IEEE Transactions on Magnetics, COMPEL and the IEEE Power Engineering Letters. Professor Mohammed served as the International Steering Committee Chair for the IEEE International Electric Machines and Drives Conference (IEMDC) and the IEEE Biannual Conference on Electromagnetic Field Computation (CEFC). Professor Mohammed was the General Chair of the 2009 IEEE IEMDC conference held in Miami Florida, May 3-6 2009 and was the Editorial Board Chairman for the IEEE CEFC2010 held in Chicago, IL USA, May 9-12, 2010. Professor Mohammed was also the general chair of the IEEE CEFC 2006 held in Miami, Florida, April 30 – May 3, 2006. He was also general chair of the 19th annual Conference of the Applied Computational Electromagnetic Society ACES-2006 held in Miami, Florida March 14-17, 2006. He was the General Chairman of the 1993 COMPUMAG International Conference and was also the General Chairman of the 1996 IEEE International Conference on Intelligent Systems Applications to Power Systems (ISAP'96) Dr. Mohammed has chaired the Electric Machinery Committee for IEEE PES was the Vice Chair and Technical Committee Program Chair for the IEEE PES Electric Machinery Committee for a number of years. He was a member of the IEEE/Power Engineering Society Governing Board (1992-1996) and was the Chairman of the IEEE Power Engineering Society Constitution and Bylaws committee. He also serves as chairman, officer or as an active member on several IEEE PES committees, sub-committees and technical working groups.

For complete list of publications and the Smart Grid Test Bed, the following link has all the details;  
<http://www.energy.fiu.edu>