Overview of Energy Systems Research and Education at

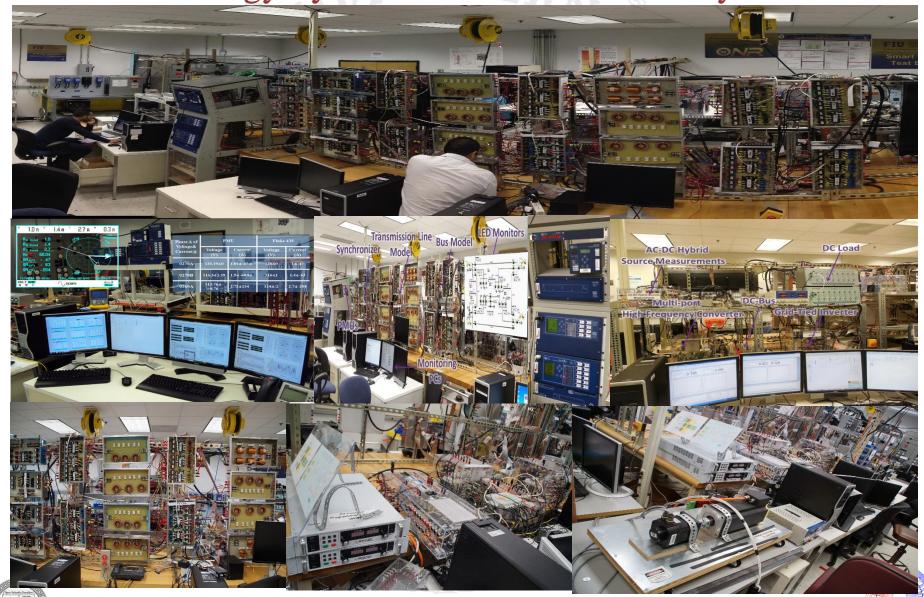
Florida International University Dr. Osama A. Mohammed, IEEE Fellow Professor and Director of the Energy Systems Research Laboratory

- Courses and Labs
- Energy Systems Research Laboratory Activities
- Smart Grid Test Bed (Get Brochure and see Video at Website)
- Power Electronics, EMC and Electric Drives Labs
- Undergraduate Student Research Interns
- Graduate Students
- Weekly Research Meeting and Presentations
- Visiting Faculty and Researchers and Visitors from Industry, other Universities and International entities
- Publications (Get recent list on website)
- Website: http://www.energy.fiu.edu



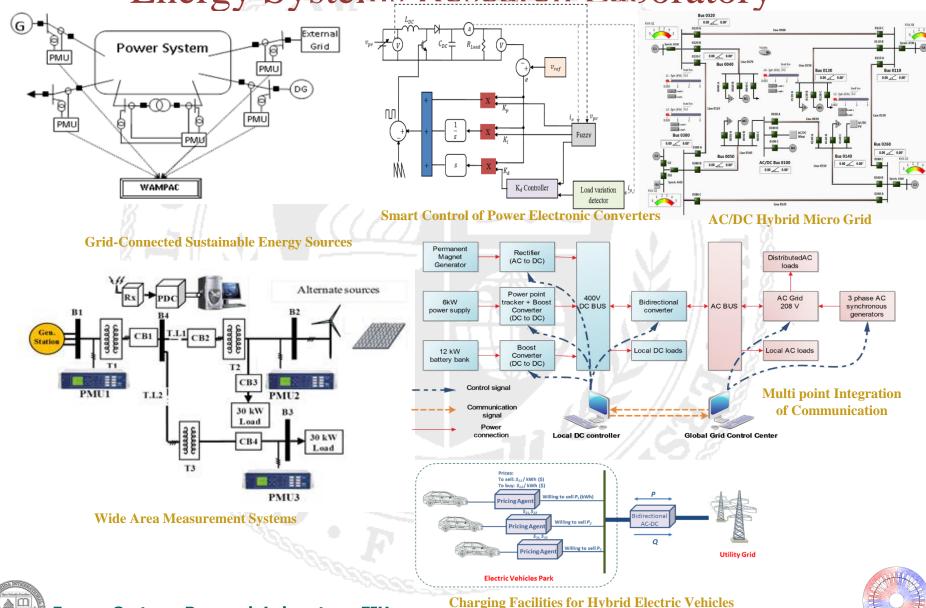


Smart Grid Test Bed at the Energy Systems Research Laboratory



Some Recent Projects at the

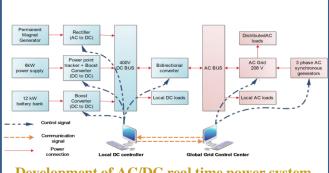
Energy Systems Research Laboratory



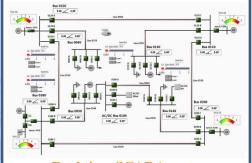




Real time operation and control For interoperability of generation stations



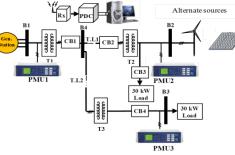
Development of AC/DC real time power system test bed for application in Smart Grid



Real time SCADA system
For monitoring and
operation



Revolutionary Research . . . Relevant Results



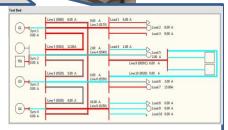
R&D for Industry implementation Phasor measurement units for protection, monitoring and control of the power system

Technical Layout





Communication platform



Online representation of the system



Energy Systems Research Laboratory, FIU



Students Supported at the Energy Systems Research Laboratory, FIU





Activities and Visitors at the

Energy Systems Research Laboratory













