

IEEE Columbia Section presents

# The IEEE Technical Session on Control Engineering in the Field of Manufacturing

A technical session for practitioners, researchers, policymakers, and university students

## Technical Session At-A-Glance

**Date:**

Monday  
October 3, 2016

**Time:**

6:00PM - 8:30PM

**Location:**

University of South Carolina  
Swearingen Engineering Center  
Room 1A03  
300 Main Street  
Columbia, South Carolina 29208

**Parking on campus:**

Parking is available along Main,  
Catawba and Assembly Streets

**Register Online by noon,**

**October 3<sup>rd</sup> at**

<http://sites.ieee.org/Columbia>

**Additional Information:**

Find more information on this IEEE  
Technical Session, other sessions,  
about IEEE, and joining IEEE at  
<http://sites.ieee.org/columbia> .

Production of matchsticks at a local factory and production of rockets and spacecrafts at SpaceX have one thing in common: It is the application of Control Engineering in the design, manufacturing and testing of the product. Control Engineering is an exciting, fascinating field and as a controls engineer, it is an honor to share the details about applying the art and philosophy of control engineering in making a product on a large scale.

**6:00 PM Reception & Networking**

**6:30 PM Greetings & Presentation of the Speaker**

**8:30PM Closing**

**Judith Joseph**

Judith is an IEEE Young Professional who is an Electrical Engineer with proven abilities to identify requirements, plan projects, and create solutions for electrical power and control systems. Her areas of expertise are power and control systems design, requirements and project definition, test development and execution, systems strategy and implementation, troubleshooting and problem resolution (plc and fanuc robots), and R&D fabrication. She is technically sophisticated with C, C++, ladder logic, Sequential Function Charts, Function Blocks with PLC and simulation software as well as troubleshooting in a hands-on environment. She is experienced with RS232/RS485, TCP/IP and Modbus Communication protocols, and holds a number of certificates in industry applications. Judith is currently an Electrical Controls Engineer at Masonite Corporation and has worked as an Electrical Engineer III at Kimberly Clark Corporation and an Electrical Engineer for Hoshizaki America. She has earned a Master of Science in Electrical Engineering (University of Kentucky). She is a member of IEEE, NFPA and the Society of Women in Engineering.



Advancing technology for humanity