



**Graduate Seminar (EEL 6936)**  
**Department of Electrical Engineering**  
**[http://ee.eng.usf.edu/Grad\\_Seminar](http://ee.eng.usf.edu/Grad_Seminar)**

**Girish Wable**  
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Jabil, St Petersburg, FL, USA

Friday, March 21<sup>st</sup>, 2014, 3:30-4:30 p.m.  
Engineering Building B (ENB) Room 118

## **Introduction to PCB Assembly Manufacturing and New Innovations**

### **Abstract**

Electronics integration is happening in pretty much every article around us. Now a Printed Circuit Board (PCB) assembly is at the heart of any product, enabling intelligence and functionality, and delivering features that most of us are enamored with. Along these lines, this talk will go back to the basics and introduce the audience to the actual assembly process steps used in manufacturing PCB's long after electrical engineers have designed them. We will also talk about the different roles that electrical engineering graduates play in electronics manufacturing factories. Finally, the talk will also cover some practical adoptions of additive manufacturing processes on shop floors.

### **Biography**



Mr. Girish Wable is a technology, operations, sourcing and business solutions strategist with more than 17 years of global experience in progressively increasing responsibility roles in the areas of electronics manufacturing, high performance coatings, material handling, and automation. He has a demonstrated ability to develop and execute management and engineering strategies at both the discrete and enterprise levels, and over a wide span of technical challenges and commercial initiatives. Mr. Girish is also the author of numerous internal engineering and business standards, white papers, technical publications, and thought leadership articles. He is also a regularly sought after expert by technical writers for technical magazines and Jabil blogs. Mr. Girish has a Bachelors degree in Mechanical Engineering and a Masters degree in Industrial Engineering.