



Southern Polytechnic College of
Engineering and Engineering Technology

The Fifth Technological Revolution:

The Age of Information & Telecommunications Inspiring the Innovators of Tomorrow

Speaker: Matt Kelly, P.Eng, MBA

Senior Technical Staff Member | Senior Inventor

IBM Systems, Global Hardware Execution

Date/Time: Tuesday, April 14th, 2015, 6-7pm

Location: Q-106

Abstract:

While electronics manufacturing off-shoring, market consolidation, and technology commoditization have dominated headlines over the past several years -- significant advancements in integrated electronic systems continues to accelerate. It's not all doom and gloom as the press might have you believe; it's quite the contrary, actually. These many advancements, coupled with ever increasing application demands, are providing new opportunities for next generation scientists, engineers, and technicians -- just like you.

Cognitive computing, big data & analytics, multi-sensor integration, the internet of things, wearable electronics, 3D design/printing, and advanced glass display applications (among others) require next generation electronics hardware expertise. Hardware infrastructure matters now more than ever! It will be up to you, the Millennial workforce, to help solve complex problems that will enable systems to be smaller, faster, digesting enormous amounts of data, with less power consumption.

The presentation is intended to help inspire students and remind them that new applications are continually driving the need for a highly skilled workforce. It is important for students to understand the industry environment around them. As a member of the SMTA Board of Directors, I encourage you to get involved with industry associations. As one option, the SMTA is a 30 year old association that can help you establish networks, publish technical papers, link with industry experts, and help to land that first job. For more information visit www.smta.org. Sharing the knowledge.

Biographical Sketch:

Matt is a Senior Technical Staff Member and Senior Inventor, IBM Systems Global Hardware Execution. He is responsible for helping lead technology development, design, prototyping, integration, and bring up of IBM's next generation Enterprise Server and Storage hardware. His technical contributions to the industry include 75 publications and 10 United States patent disclosures. He is a member of the SMTA Board of Directors, and active in a variety of other industry associations including IPC, JEDEC, and iNEMI.

