**Smart Factory Technology Roadmapping Initiative**

**WORKSHOP 4 –**

The benefits of big data analytics in the smart factory: meaningful data from the production floor to monitoring the life performance of a fully installed product

**Hosted by:** IBM,CSC, BAE Systems, University of Central Florida

**Facilitated by**: International Consortium for Advanced Manufacturing Research, [www.icamr.net](http://www.icamr.net)

More about the hosts:

**Paul Fechtelkotter, IBM:** Mr. Fechtelkotter’sexpertise is in executive management, business strategy, marketing, business development, and engineering. He is responsible for the industrial manufacturing, energy, petroleum, chemical, nuclear, and government sectors within IBM’s Internet of Things (IoT) Division and is a leading advocate for applying systems and software engineering principles to the evolving Industrial IoT space. Mr. Fechtelkotter holds an M.B.A from Stanford University in addition to B.E and M.E degrees in Engineering from Dartmouth. He has published globally on applying systems engineering best practices and approaches to the design, implementation and operation of complex, safety-critical systems and infrastructure.

The Internet of Things is enabling a new era in business, connecting the manufacturing floor to products and customers. This workshop will explore the major challenges preventing the Internet of Things from being effectively implemented in the factory setting. Ultimately, the challenge is how to effectively turn the flood of data into actionable information that improves business results. Topics to be discussed include:

* What data to collect.
* Challenges around the data: trust, data quality, bandwidth….
* Interoperability challenges among legacy equipment and new devices
* Operational/cultural challenges in unlocking the data in both operation and design
* How to approach the problem in a systematic manner.
* How to ensure safety, security and regulatory compliance

Integrating systems thinking for interdisciplinary engineering practices in a business case in order to apply new technologies is critical. Requirements are the foundation of deploying technology like The Internet of Things.

Agenda:

9AM - Introduction on the initiative and each organization attending

9:15AM - Presentations on points-of-view, solutions, and future trajectories envisioned by thought leaders

10:30AM - Roundtable discussions and roadmapping activities

Needs assessment from industry members

Detailed mapping of parameters around needs

Solutions brainstorming

Return on Investment and other business model assessments

12:45PM – Close

Please join us at and lunch will be provided:

Gray Robinson

301 E. Pine Street

Suite 1400

Orlando, Florida 32801

Please park across the street in the parking garage – parking will be validated at Gray Robinson’s reception desk

If you wish to webconference in, please utilize the following:

1.  Please join my meeting, Friday, April 03, 2015 at 9:00 AM Eastern Daylight Time.
<https://global.gotomeeting.com/join/906113293>

2.  Use your microphone and speakers (VoIP) - a headset is recommended.  Or, call in using your telephone.

Dial +1 (872) 240-3412
Access Code: 906-113-293
Audio PIN: Shown after joining the meeting

**Please RSVP** for either in-person presence or the webconference to Andrea Wesser, International Consortium of Advanced Manufacturing Research, at 407-353-3469 or andrea.wesser@ucf.edu **by** **March 31, 2015 by 5PM.**