

## Short Courses from the Manufacturing Engineering Research Group (MERG) at the University of Greenwich

BIG STEM program will be running two short courses in Electronics Manufacturing and Reliability Engineering on the 20<sup>th</sup> and 21<sup>st</sup> of June at the Medway Campus. The price to register for a single course is £150 + VAT, or registration for both courses together is £250 + VAT.



- **Course 1 - Theory and Practices in Reliability Engineering**
- **Course 2 - Lead-Free Soldering for Electronics Packaging**

The Course 1 is suitable for Production managers, Product development engineers, R&D engineers, and Maintenance and Operational personnel with an objective to develop an understanding of the key concepts and learn about best practices in reliability engineering. The Course 2 is designed for production and quality personnel who uses lead free soldering technology and are responsible for day-to-day running and maintaining of a surface mount assembly line. Knowledge gained from the course would help the individuals to reduce assembly defects and hence to increase the production yield. The course may also benefit material, equipment suppliers to have a better understanding of the issues and interactions of materials and process parameters in the assembly process. Attending both courses is recommended to develop a complete understanding; however, prospective candidates are also welcome to attend either of two stand alone courses.

For more details and to register please e-mail [info@big-kent.org.uk](mailto:info@big-kent.org.uk) or call on 01634 883912.



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# Short Courses from the Wolfson Centre for Bulk Solids Handling Technology at the University of Greenwich

BIG STEM program will be running a specialised course on biomass handling concerns, titled "Biomass Handling, Storage and Feeding". The course carries a fee of £420 per delegate, and will address:

- **Common issues for existing and new systems**
- **Best practice for dust emission and control**
- **The special properties of biomass**
- **Design for new systems and equipment**

For more details and to register please e-mail [info@big-kent.org.uk](mailto:info@big-kent.org.uk) or call on 01634 883912.

## i-MOCCA 1st Industry User Group Meeting

The University of Greenwich at Chatham Maritime is one of the key partners in the new EU Interregional Mobility and Competence Centres in Automation (iMOCCA) project.

The first User Group session is due to be held in the second quarter of 2012 (exact date t.b.c) and we are registering expressions of interest and any enquiries. The session will serve to gather feedback for professionals in engineering, data communication, electronics, embedded systems control and automation related fields to highlight key areas where training and knowledge development would be of high value.

This will be used to formulate a series of free advanced training short courses, available to the employees of contributing companies and regional manufacturers. Companies that operate in industrial data communications, electronics control and embedded systems will find this immensely useful.

To register interest in participation, please contact Jason at [info@big-kent.org.uk](mailto:info@big-kent.org.uk) or call on 01634 883912.

# Free Growth Accelerator Masterclass – Lean Principles for Growth

Applying **Lean Principles** begins by establishing what it is that customer's really value. Then by mapping the value stream and eliminating waste (or non value adding activity) we can create more capacity for value adding activity and growth.

At the end of this free interactive session, delegates will:

- Understand how the principles of **Value and Waste** apply to their business
- Discover how the **5 Lean principles** can increase capacity, reduce customer lead time and improve overall competitiveness.
- Understand how to identify and eliminate the **7 Wastes** within their business.
- Discover how **Value Stream Mapping** and other lean tools can be applied resulting in more effective operational and administrative processes.

This 'taster' workshop provides delegates with some simple and effective tools and techniques which can be applied to their own business processes. Attendees will furthermore receive a free voucher for a self assessment business performance benchmarking.

For more details and to register please e-mail [info@big-kent.org.uk](mailto:info@big-kent.org.uk) or call on 01634 883912.

## Make it in Great Britain Competition

The 30 Under 30 Challenge forms part of the Make it in Great Britain campaign, which aims to change the image of modern manufacturing. The Challenge is being organised by the Department for Business, Innovation & Skills (BIS).

The competition aims to find the most innovative pre-market products, processes and concepts the UK has to offer.

Entries across the following five categories, representing the breadth and depth of the manufacturing industry and highlighting the innovation and talent in Britain today, are being accepted:

- Make it.Stronger.
- Make it.Smarter.
- Make it.Sustainable.
- Make it.Life changing.
- Make it.Breakthrough (for 16-21 year old entrants only).

The Challenge is open to inventors, manufacturers, engineers, designers, businesses of all sizes, young people and the general public. The deadline for receipt of entry is 20<sup>th</sup> April 2012.

## **BIG STEM Annual Dissemination Event & Manufacturing Exhibition 25<sup>th</sup> July 2012**

Members of the BIG-Kent network are invited to attend the free STEM event. The event will feature a series of presentations from senior industrial and academic speakers on issues that are key to science, technology, engineering and manufacturing (STEM) related industries. Among the topic that will be explored are research and developments tax credits for companies and venture capital investment.

For more details and to register please e-mail [info@big-kent.org.uk](mailto:info@big-kent.org.uk) or call on 01634 883912.

For more information on any of the above news and events, please visit our website at [www.big-kent.org.uk/Events](http://www.big-kent.org.uk/Events). To register your interest for an upcoming event please contact Jason by email at [wj77@gre.ac.uk](mailto:wj77@gre.ac.uk) or call on **(01634) 883912**.

[www.big-kent.org.uk](http://www.big-kent.org.uk)

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