

# RISK REDUCTION AND IMPROVING PROCESS CAPABILITY USING STATISTICAL PROCESS CONTROL

Sydney – Wednesday, May 14<sup>th</sup> 2008, 9am- 5pm  
University of New South Wales, Kensington

**VENUE:** School of Mechanical and Manufacturing Engineering  
Building J17, First Floor Foyer  
Meeting Room ME101 (map will be provided)

Most pharmaceutical and food companies have many people who have undertaken extensive training in SPC tools. However the use of these tools to reduce risk, achieve process capability and quality assurance is still well behind companies such as those in the automotive industry.

**AIM:** You will leave the Workshop with a new perspective on the scope of opportunities for applying these tools to situations in your company.

**METHOD:** The emphasis is to show through case studies what can be achieved by scientific method with the tools discussed on a needs basis. At the end of the Workshop you will develop a list of areas within your own company where major benefits can be obtained by applying these tools.

Imagine the following situations and how they could have been anticipated and nipped in the bud. For example poor packaging practices lead to recalls; contaminants from not following cleaning procedures; microbial contamination from environmental changes; pesticide contamination in vegetable product prior to food processing, rejecting batches when the real problem is test method accuracy. Scenarios such as these will be used, where you will analyse risks and develop new contractual, manufacturing and supplier controls based on tried and proved data collection and analysis techniques.

You will experience the benefits of tools such as:

- Define and manage risks *using FMEA*.
- Avoiding both process delays and reject batches due to inadequate test method accuracy (e.g. from a dissolution trial).
- Identify sources of contamination in supplied products *using Control Chart*.
- Simplifying process validation *using Process Capability* studies (Cp, Cpk).
- Achieve reduced testing of supplied materials *using SPC*.
- Continuous validation *using Scatter Diagram*.
- Developing a rational sampling plan for effective process control, internal auditing and supplier quality management.
- An overview will also be given of the automotive industries approach to company wide Process Capability, SPC and Quality Assurance.

Attendees will accumulate Credit Points towards the University of NSW Graduate Certificate / Diploma in **GMP** program.

## Who Should Attend

Quality/Regulatory Personnel, Product Sponsors, Manufacturing Supervisors, Team Leaders.  
It will be assumed that attendees have a basic understanding the principles of SPC.

## Workshop Facilitation

Detailed handout material will be provided.

## Sponsors

Advanced Manufacturing Centre



Australian Self Medication Industry



University of New South Wales



## REGISTRATION FORM AND TAX INVOICE

### Workshop: “Risk Reduction And Improving Process Capability Using Statistical Process Control”

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(Please type in the boxes and Save As the form)

**Organisation:**

Full Name	Position	Address	Suburb, State and Post Code	Email	Preferred contact number

**Registration Fee: \$ 660 pp**

**Total Fee:**

The registration covers all aspects of the workshop including refreshments.

- Cheques should be made out to the Advanced Manufacturing Centre Limited, ABN 181 089 424 27
- Credit card (please circle)                      \*(Amex/Diners Club/Visa/Master Card/Bank Card)

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**Cancellations after April 23<sup>rd</sup> will incur a penalty of \$75 pp.**

**Please email this form to Rita Lahoud at r.lahoud@amc.atp.com.au or fax to (02) 9209 4470.**

**For further information contact:**

**Rita Lahoud on (02) 9209 4209 or**

**Dr Peter Cranston on 0409 986 190 or Peter Fisher on 0414704336**

**This Registration Form is a Tax Invoice.**

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In accordance with the Privacy Amendment Act 2000, the information provided in completing this form will be kept in a database on a secure server at the AMC.