



Presented by the Geelong Quality Council  
supported  
by the Geelong Manufacturing Council



# Statistical Process Control Workshop

Thursday 27<sup>th</sup> October 2016

9:00 am for 9:15 am - 3:00 pm

Deakin Cats Community Centre, Simonds Stadium, Kardinia Park, South Geelong

## Workshop

Statistical Process Control is a methodology that uses Control Charts to assess process performance over time using statistically based parameters and the calculation of capability indices to assess process capability to meet customer specifications. The methodology has been widely used in manufacturing and is equally applicable to non manufacturing environments.

The workshop, which assumes no prior learning, will cover the following:

1. What is Statistical Process Control?
2. The meaning of various basic statistics
3. Elements and interpretation of control charts
4. Understand the difference between control limits and specification limits
5. Understand common causes and special causes of variation
6. How understanding different types of variation helps direct your problem solving
7. The creation of various types of control charts
8. "Hands on" activity on data collection and calculation
9. Calculation of process capability indices to assess how robustly you can meet specifications
10. Implementing quality assurance on your measurement systems
11. Ideas on how to "Put it all together" for comprehensive monitoring of performance

If you attended the GQC session last October on "Statistical Process Control Concepts", then the workshop items 1 to 6 will provide a recap of that session whilst items 7 to 11 will provide new content to help you to implement SPC techniques in your organisation.

## Presenter

The presenter, Flavio Giurco, has a passion for data and for displaying it to provide insights for decision making. He has a wealth of knowledge and experience in the field of statistical process control gained over many years at Alcoa of Australia and currently at the Transport Accident Commission.

His presentation will utilise a range of case studies from manufacturing and non-manufacturing environments to illustrate concepts.

## Agenda

9:00 am	Registration.
9:15 am	Workshop Start
3:00 pm	Workshop Close

**RSVP by Monday 24<sup>th</sup> October 2016**

Places are limited and registration is essential.

Register on line: <https://www.trybooking.com/NJKA>

Cost: \$100 (includes morning tea, lunch and printed materials)

Further details from: Flavio Giurco (M: 0439 319 249) or Richard Hamilton (M: 0402 973 894)

## Directions



**For detailed map of Kardinia Park refer to “Deakin-Cats-precinct-map.pdf”**

Enter Kardinia Park from Kilgour Street

Parking available at Premiership Stand Car Park

Enter the stadium through the Doug Wade Gate outside the Players Stand.

Deakin Cats Community Centre is on the Ground Floor

## Geelong Quality Council

### Vision

We aim to contribute to the development of a prosperous Geelong community as a not for profit resource that supports individuals and organisations to achieve operational excellence.

### Purpose

To assist Geelong region organisations achieve *operational excellence* by facilitating information sharing on management systems/sustaining, lean/waste reduction philosophies, 6 sigma/systematic problem solving principles and emerging quality approaches. We do this by:

- Arranging regular, low cost, site visits, seminars and workshops focusing on sharing methods and tools that assist in achieving operational excellence.
- Creating a collaborative learning environment where experienced people from a diversity of organisations can share their knowledge and network with others for the benefit of the community.
- Offering experiences for students to learn about operational excellence.

### Values

GQC encourages a respectful open environment where diverse views are welcomed in a manner that accords with ethical business practices.

### Committee

Our committee meets on the second Wednesday of the month from 5:30pm-6:30pm at the Geelong Club, 74 Brougham Street, Geelong, to plan the activities of the Geelong Quality Council. Meeting dates are on our web site. We welcome new members to our committee.

**Contact:** Flavio Giurco, telephone 0439 319 249, email: [Flavio@oqs.com.au](mailto:Flavio@oqs.com.au) web site: [www.gqc.org.au](http://www.gqc.org.au)

