



# ILLIANA SIGNAL



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Illiana Website [www.asq-illiana.org](http://www.asq-illiana.org).

November, 2006

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## MESSAGE FROM THE CHAIR

If you like German food, then Chef Klaus – Bier Stube was the place to be for October’s dinner meeting. Randahl Hulina discussed the statistical process control technique of “Precontrol”. While it is a relatively simple tool, its uses can be widespread and beneficial as he demonstrated. We were one person short of having thirty people in attendance – possibly we will reach that number with November’s topic. Note: due to a scheduling problem, there will be a change from the previously published meeting listing. See the meeting announcement later in this newsletter.

I started working in the quality field long before there were personal computers on every desk. Back then you actually had to *program* either the mainframe computer or a mini computer to do simple statistical calculations like standard deviations and averages. And the graphics that you could produce – reminds me of a child’s Etch A Sketch®. I remember my boss who had graduated with his Masters in Statistics in the 50’s often choosing to hand calculate his analyses versus using the small computer we had in the office. If you can think of the mental crunching necessary for even the simplest statistic like a correlation, then a big thank you goes out to Bill Gates, Steve Jobs, and the like.

Nowadays, anyone can do a regression analysis or ANOVA by simply hitting an icon or selecting an option from a drop-down menu. The risk with that is the old adage – Garbage In, Garbage Out. My professor used to bring in published research papers written by PhDs who made a blunder in their analysis because they didn’t design their study correctly, typically using the wrong experimental unit to run their experiment on. I’ve had colleagues come to me with data where a piece of steel was cut into ten specimens and tested, and they would contend that they had a sample size of ten. Yes, they had  $n = 10$  – for an analysis of the “within variability” and/or machine precision, but not ten independent pieces of data to use in a regression or analysis of variance table.

The point I am making is that while it is nice to have sophisticated software to help you perform the tedious calculations, it is important to understand the underlying statistical theory in place. Remember the mantra from SPC about the differences between control limits versus specification limits, averages versus individuals? If you understand the basic underpinnings of a statistical calculation or SPC tool, you will be able to share the result with confidence or know when something hasn’t been done correctly. Thus, think hard before you hit the “SUBMIT” button - you might wind up with reams of output that tells you that it is warmer in summer than it is winter, with a 95% confidence level. ☺

**REMEMBER – If you attended the NIQC 2006, bring your badge, receipt, etc. to November’s dinner meeting and we’ll “comp” your meal.**

Steven Schuelka  
Section Chair

### Mission Statement

Illiana Section 1213–ASQ is dedicated to advancing the principles and practices of quality control for the benefit of its members, the Society, local business and industry, the education sector, and the community.

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**Additional RU's Offered Before the Dinner**

The board has decided to offer a "Pre-Meeting" session before the regular dinner meeting which will allow you to earn an additional 0.3 RU's. If you have a suggestion for future topics, please let the board know.

**November Meeting**

DATE: Tuesday, November 14, 2006

LOCATION **Ciao's )**  
3613 West 216th Street  
(216th + Main St.  
Matteson, IL

TIME: 6:00 P.M. --- Registration  
6:30 P.M. --- Dinner  
7:30 P.M. --- Program

SPEAKER: Kevin Douglas—Federal Signal

TOPIC: LEAN MANUFACTURING

**Please RSVP ASAP** -- No later than Friday November 10, 2006

Go to our website at <http://www.asq-Illiana.org> to place your reservation, or send an email to Kim Bernas at [kbernas@fedsig.com](mailto:kbernas@fedsig.com)

**Certification Tests**

<u>Exam List</u>	<u>Exam Date</u>	<u>Appl. Deadline</u>
<b>2006</b>		
CQE/CQA/CSQE/CQIA/CCT/CQPA/CSSGB	December 2	October 6
<b>2007</b>		
CQT/CRE/CMI/CHA/CBA/CMQ OE/CSSBB	March 3	January 12
CQE/CQA/CSQE/CQIA/CCT/CQPA/CSSGB	June 2	April 6
CQT/CRE/CMI/CHA/CBA/CMQ OE/CSSBB	October 20	August 17
CQE/CQA/CSQE/CQIA/CCT/CQPA/CSSGB	December 1	October 5

The location for the 2006 December test has been confirmed for Section 1213 at:

Business & Career Institute  
58 W. 162nd Street  
South Holland, IL 60473

If you have any comments or questions, please feel free to contact your Board Members or ASQ.



# Illiana Section 1213

## Meeting Agenda for 2006/2007

<u>Date</u>	<u>ASQ Contact</u>	<u>Topic</u>	<u>Location</u>	<u>Speaker</u>
10/24/2006	Larry Sprengel	PRECONTROL - statistical subject	<b><u>Chef Klaus - Bier Stube</u></b> 679 Lagrange Road. Frankfort, IL 60423 815-469-0940	Randahl (Randy) Hulina Total Quality Solutions
11/14/2006	Kin Bernas	LEAN MANUFACTURING	Ciao's (216th + Main St.) 3613 West 216th Street Matteson, IL 60443 708-481-6510	Kevin Douglas— Federal Signal
12/12/2006	Lloyd M. Welch	Bitzer's Products - Plant Tour. (manufacturer of machine parts) <u>This tour is limited to the 1st 20 to register</u>	2714 South Ninth Avenue Broadview, IL 60155 PH 708-345-0795	Bill Sturgeon
1/23/2007	Steve Schuelka	Section Business + Elections Free to Illiana Members	Sanfratello's 127 Main Street Glenwood, IL 60425 (708) 758-5500	Illiana Board Members
2/27/2007	Pam Hale	Application of Quality Principles in the Federal Government	Popolanos 17940 Torrence Avenue Lansing, IL 60438 (708) 474-0425	Dan Lowery Ph.D. Calumet College of St. Joseph
3/27/2007	Pam Hale	Data rich Information Poor (D.R.I.P) business environment - the next quality frontier	Kenootz Pizzeria & Banquet 4648 W. 147th Street Midlothian, IL 60445 708-824-0005	Angsuman Dutta & Ramon Nayar
4/24/2007		To Be Determined	Chef Klaus - Bier Stube 679 Lagrange Road. Frankfort, IL 60423 815-469-0940	J. Brent Snoddy
5/22/2007		Quality and Reliability of the Space Shuttle Program <u>Pre-Mtg.</u> Virtual Tour of the Space Center	Glenwood Oaks 106 N. Main Street Glenwood, IL 60425 (708) 758-4400	Steve Schuelka

## MEETING LOGISTICS

### Directions

**From North:** Take I-57 South (I-294 or I90E/94 to I 80 West to I 57 south). Exit at Lincoln Highway East . Follow Lincoln Highway east 1.5 miles to Governors highway. Turn right on Governors highway and follow it for 1/2 mile to 216th street. Turn left on 216th and follow it for .4 of a mile. Ciao's; **3613 West 216th street**, is located on the right.

**From West:** Take I-80 East and Exit I 57 South. Then follow the directions above..

**From South:** Take I-57 to Take Route 30 East and follow the directions above.

**Visit Illiana Website [www.asq-illiana.org](http://www.asq-illiana.org) for any new information**



ASQ Illiana Section 1213

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**In this issue:**

- 1) Message from the Chair
- 2) NIQC and attendance offer
- 3) Meeting Agenda, 2006
- 4) Re-Certification

**RE-CERTIFICATION**

Steven Schuelka

One of the reasons people belong to ASQ is for the certification program that the Society offers. For those that have taken the CQE, CQA, or whichever exam you elected to do, one of the requirements to keep your certification active is to re-certify them every three years. For the Illiana Section, Lloyd Welch acts as our Recertification Chair, which means he is the point of contact for questions about the recertification process along with whom to send the re-certification journals to for approval before being sent to HQ.

The Journal is available on-line at  
<http://www.asq.org/certification/recertification/rucredits/index.html>.

The requirements for RU (re-certification unit) credit are pretty straightforward. For instance, for class credit, include proof of attendance, certificate of completion and some form of class itinerary including time spent and topics covered. Proof of employment would be just a letter detailing some quality related job duties and time period covered, signed by a responsible company representative (this is the most common RUs claimed). For the most part, most quality professionals are very good about the satisfying the requirements and presenting sufficient evidence for RU credit. The most common mistakes by far are: (1) failure to sign the Journal, and, (2) failure to provide payment (check or credit information).

Re-certifying yourself is a lot easier process than sitting for the exam all over again - don't let your 3-year window lapse.

**ILLIANA MEMBERS PLEASE UPDATE ASQ WITH YOUR EMAIL ADDRESS FOR IMPORTANT UPDATES FROM YOUR SECTION.**

**REMEMBER TO CHECK THE ILLIANA WEBSITE MONTHLY FOR THE BALANCE OF THE SECTION NEWSLETTERS !!**

**ILLIANA SECTION 1213 UPCOMING EVENTS**

**LEAN MANUFACTURING - Kevin Douglas**

**November 14, 2006 beginning at 6:00 P.M.**

**Caio's**  
3613 West 216th Street  
Matteson, Il 60443  
708-481-6510