Southern California Computer Measurement Group (SCCMG)
Regional Meeting Announcement

August 10, 2007
SAS Institute – Irvine Training Center
Jamboree Center (Geneva Building)
5 Park Plaza – Irvine, California

Please mark your calendars now and join us on Friday, August 10th, for the Summer 2007 meeting of the Southern California Computer Measurement Group (SCCMG) at the SAS Training Center in Irvine. Reserve this day for some excellent presentations and an opportunity to network with your peers.

SAS Institute (www.sas.com) has graciously offered to sponsor this meeting. They are hosting us at their training center and will be providing us lunch and refreshments. This link provides directions to the facility (http://support.sas.com/training/fyi/la.html). MapQuest will provide good directions.

We have a great set of speakers lined up including co-winners of the 2006 J. William Mullen Award Peter Johnson and Frank Bereznay for their papers on JAVA workload management and Using Statistical Techniques to Interpret Service and Resource Metrics.

To register for this meeting, please visit the regional website, http://regions.cmg.org/regions/sccmg/ and complete the online Registration Form (see Registration Form Note below), send an E-Mail to SCCMG@CMG.ORG or call (626) 564-7530 for more information. Admission is $10 if you register by August 3, 2007 or $20 for onsite registration.

Registration Form Note
The Registration Form can be linked to from the SCCMG Home page or via the Meetings page Upcoming Meeting - 2007 Summer Meeting link.

This meeting is open to all IT professionals. You do not need to be a member of CMG to attend.
Agenda

0830 to 0900  Continental Breakfast

0900 to 0930  Business Meeting

0930 to 1030  JAVA Performance Analysis 301
    Peter Johnson, UNISYS
    “Recipient of 2006 J. William Mullen Award”

1030 to 1100  Break

1100 to 1200  Where's Waldo: Uncovering Hard-to-Find Application Killers
    Claire Cates, SAS Institute

1200 – 1315  Lunch – Provided by SAS Institute plus SAS Institute presentation

1315 – 1415  Payment Systems: Managing Response-Based Service Levels
    Jon E. Schmidt, Transaction Design, Inc.

1415 to 1430  Break

1430 – 1530  Did Something Change? Using Statistical Techniques to Interpret
    Service and Resource Metrics
    Frank Bereznay, Kaiser Permanente
    “Recipient of 2006 J. William Mullen Award”

Mark your calendar now and plan on joining us on May 4th for our second 2007 meeting!

Session Abstracts

JAVA Performance Analysis 301
Peter Johnson, UNISYS
“Recipient of 2006 J. William Mullen Award”

The Java Platform provides a variety of mechanisms for monitoring the performance of Java applications. There are several tools that are freely available that can be used to monitor Java applications. This paper describes some of those tools, and the Java Management Extensions (JMX) technology on which those tools are built. Additionally, the paper shows how custom tools can be built using JMX.

Where's Waldo: Uncovering Hard-to-Find Application Killers
Claire Cates, SAS Institute

We’ve all heard about performance anti-patterns, yet how do you find these problems in your system? I have used Rational Quantify for over 7 years and have learned many tips and tricks to help uncover many common anti-patterns. This paper will describe the
wealth of data generated by Quantify and how to use this data to uncover many software performance problems such as:

- Excessive Memory Allocation
- The ramp
- Unnecessary Processing
- One Lane Bridge
- How Many Times Do I have to tell you
- Unbalanced Processing and
- More is Less

Payment Systems: Managing Response-Based Service Levels
Jon E. Schmidt, Transaction Design, Inc.

Payment systems and similar short-duration, high-visibility transaction systems demand exceptional availability and consistent response. However, response is usually dependent on off-box or back-end systems. This paper describes the advantages of monitoring and managing response-based service levels, including response provided to the user and received from the back-ends.

Did Something Change? Using Statistical Techniques to Interpret Service and Resource Metrics
Frank Bereznay, Kaiser Permanente
“Recipient of 2006 J. William Mullen Award”

In a perfect world, one would always know the answer to that question. Unfortunately, nobody works in a perfect world. This paper will explore statistical techniques used to look for deviations in metrics that are due to assignable causes as opposed to the period to period variation that is normally present. Hypothesis Testing, Statistical Process Control, Multivariate Adaptive Statistical Filtering, and Analysis of Variance will be compared and contrasted. SAS code will be used to perform the analysis. Exploratory analysis techniques will be used to build populations for analysis purposes.