

Program

Day 3 - Wednesday, November 11

8:00 - 8:30 a.m.
Beverage Service

8:30 - 9:30 a.m.
Douglas C. Montgomery
University of Washington

- The Role of Experimental Design in Product and Process Control
- Evaluation of Design Configurations
- Material Selection
- Comprehensive Tolerance Determination
- Process Capability Assessment
- Process Capability Improvement
- Process Troubleshooting with Case Studies

9:30 - 10:10 a.m.

- Mike J. Harry
Motorola Inc.
- The Six Sigma Philosophy
 - The Impact of Statistical Experiments on Product Design
 - Signal to Noise Theory and Alternative Measures
 - Parameter and Tolerance Design
 - Example Design Application
- Featuring:
Working with Design Engineers
Monte Carlo Simulation for Deriving a Baseline Condition
Determining Product Yield
Determination of Manufacturability
- Future Applications

10:10 - 10:25 a.m.
Break

10:25 - 11:15 a.m.
Robert V. Baxley

- Monsanto Chemical Company
- Setting Product Specifications with Designed Experiments to Assure Correlation with Fitness For Use
 - Using Process Capability Analysis for Prioritizing Process Improvement Projects
 - Identification of Two SPC Automation Projects
 - Examples with Textile Fiber Performance
 - Implementation of Automated SPC When the Primary Controlled Variable is Measured in the Laboratory

11:15 - 12:00 p.m.
Panel Discussion
Discussion: J. Bert Keats
Arizona State University

12:00 p.m.
Adjourn

General Information

Fee
The registration fee of \$545 includes all session presentations, presenter's lecture materials, refreshment breaks, lunch on Tuesday, and a reception the first evening. Other meals and hotel accommodations are not included.

The Center for Professional Development reserves the right to change instructors and to cancel or reschedule a program in the event of insufficient enrollment or unforeseen circumstances.

Refunds & Cancellations
Cancellations with full refunds will be accepted if received by telephone or mail prior to the first day of the program. Substitutions may be made at any time.

Tax Deduction of Expenses
Treasury regulation 1.162-5 permits an income tax deduction for educational expenses (including registration fees, travel, meals and lodging) undertaken to maintain and improve professional skills.

About the Center
The Center for Professional Development is a continuing education service of the College of Engineering and Applied Sciences at Arizona State University. The Center conducts selected programs in engineering, computer science, agriculture, construction, and technology to meet the needs of the national and international technical communities.

Accommodations & Travel
Please make your hotel and airline reservations as early as possible. A limited block of rooms is available at the **Sheraton Tempe Mission Palms**, 60 E. 5th St., Tempe, AZ 85281. For room reservations call either the Sheraton toll free number at **(800) 325-3535**, the Tempe Mission Palms direct toll free number at **(800) 547-8705**, or the direct local number at **(602) 894-1400**. Be sure to mention the symposium when you call in order to benefit from reduced room rates. The Sheraton Tempe Mission Palms is near the ASU campus, in the heart of old town Tempe. Courtesy transportation will be provided from the Phoenix Sky Harbor International Airport (a fifteen minute drive) if you call the hotel upon your arrival.

If you prefer to stay at another location, or are interested in discounted air and car rental rates, you can contact Alf Woodside for assistance. **Alf Woodside** has been designated the official travel consultant for the Center for Professional Development. Alf can assist you with hotel, airline, or rental car reservations. Highly discounted rates are available to symposium participants by calling **(800) 528-0290** or **(602) 244-2660** and requesting the ASU rates. Typical airfare rates are a minimum of either 40% off the normal unrestricted fares or an additional 5% off the normal restricted (super saver) fares. While Alf offers the lowest available fares on all carriers, Delta Airlines has agreed to provide special rates for ASU participants making reservations through Alf.

Area Attractions
Arizona State University and its surrounding community offer a variety of cultural, educational, social, and recreational activities. The Phoenix metropolitan area, which includes Tempe, Mesa, Scottsdale, Chandler and Glendale, has a population of over 1.7 million. Some areas for local sightseeing are the Desert Botanical Gardens, Phoenix Zoo, Pueblo Grande Indian Ruins, Heard Museum, Museum of Science and Industry, west coast baseball spring training, and several city mountain parks with hiking trails. Additional area attractions from a few hours to a day's drive away include:
- Tucson with the Old Tucson movie set & park, Saguaro National Monument, and San Xavier del Bac Mission
- Sedona and Oak Creek Canyon red rock country, along with art galleries
- Grand Canyon, Flagstaff with winter skiing, and Walnut Canyon National Monument
- Canyon de Chelly National Monument and Hubbell Trading Post
- Apache Trail, Roosevelt Dam and several lakes
- Payson and the White Mountain area for fishing, and winter skiing
- Lake Havasu City, the London Bridge, and the Colorado River
- Prescott, and Jerome historic mining area

Application for Enrollment

Second National Symposium STATISTICAL PROCESS CONTROL: KEEPING PACE WITH AUTOMATED MANUFACTURING

November 9-11, 1987
Fee: \$545

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<input type="checkbox"/> This confirms my telephone enrollment.			
<input type="checkbox"/> Enclosed is a check payable to Arizona State University.			
<input type="checkbox"/> Bill my organization to the attention of _____			
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Charge: <input type="checkbox"/> VISA <input type="checkbox"/> MasterCard			
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Please use photocopy or separate sheet for additional applications.

Mail to: **College of Engineering and Applied Sciences
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