

General Information  
U.S. Army Conference on Applied Statistics

Registration:

To register for the conference, please complete the conference registration form included attached with this e-mail and available at [www.armyconference.org](http://www.armyconference.org). A registration desk will be maintained at the site on Monday, Wednesday, and Thursday beginning at 8:00 AM and during the social Tuesday evening. The registration fee for the conference is \$250 or \$275 on site. Students in area colleges/universities are asked for a nominal \$25 fee. Retirees wishing to attend are asked for \$125.

Short Course:

A short course "Categorical Data Analysis," offered by Brian D. Marx (Louisiana State University) will precede the conference on 19-20 October. The 2-day tutorial will start at 8:30 AM Monday and will be held in Room 228, Memorial Union (MU), on the campus of the Arizona State University on day one. The room changes to MU 085 on day two. An abstract appears in this document. The tutorial is included in the registration fee. We ask that you pre-register for the conference by mail or fax, with or without payment, so that we may estimate conference and tutorial participation. An optional reference book will be available for purchase: Agresti, Alan (2007). [An Introduction to Categorical Data Analysis](#), 2nd Edition. Wiley: New York. We are negotiating now for a conference discount.

Lodging:

Four Points by Sheraton, 1333 Rural Road, Tempe, AZ 85281  
Phone 480-968-3451 / Fax: 480-968-6262  
(45 rooms in the block)

- \$122/\$122 Single/Double, \$10 Fee
- **Reference: ACAS**
- **Cut-off Date: October 5, 2009**

The conference has secured this block of rooms for your convenience. Rooms not filled are the responsibility of the conference. Please register with the conference hotel.

The current government per diem for Tempe is \$122 lodging / \$59 meals. GSA adjusts per diem at the beginning of the fiscal year.

### Social:

A social will be held on Tuesday evening at 6:30 2<sup>nd</sup> floor of Memorial Union MU 201A, Starlight Terrace. Join us refreshment and light fare.

### Wilks Award Banquet:

The U.S. Army Wilks Award is periodically given at this annual conference to a deserving individual who has made a substantial contribution to statistical methodology and application impacting the practice of statistics in the Army. The award was established to commemorate the career of Prof. Samuel S. Wilks and especially his service to the Army. Recipients to date are Robert Bechhofer, Bernard Harris, Herbert David, Nozer Singpurwalla, Emanuel Parzen, Francis Dressel, Stuart Hunter, Marion Bryson, Boyd Harshbarger, James Thompson, Malcolm Taylor, Douglas Tang, Jayaram Sethuraman, W. J. Conover, Robert Launer, Edward Wegman, C.R. Rao, Eugene Dutoit, Donald Barr, David Scott, Barry Bodt, Wei-Yin Loh, and Francisco J. Samaniego. Please join us on Wednesday evening on the second floor of Memorial Union in MU 220, Turquoise to share in this annual banquet event and congratulate this year's winner. Tickets are included in the registration fee.

### Other Site Details:

The conference and tutorial will be held on the campus of Arizona State University, Tempe in Memorial Union. There will be transportation between the Four Points Sheraton and Memorial Union, but it is within walking distance. There are excellent maps of the campus available at <http://www.asu.edu/>.

This year's conference and short course will be held at sunny Tempe, Arizona, home to Arizona State University (ASU). One of the largest universities in the country, ASU combines academic excellence, entrepreneurial energy and broad access with fun-filled Sun Devil spirit. The ASU Tempe campus is a great destination for Broadway shows at ASU Gammage, free museums and galleries, exciting sporting events and public art. It is also adjacent to more of Tempe's most popular attractions. The red brick sidewalks of the Mill Avenue District are lined with unique shops, restaurants, taverns and theatres. Tempe Town Lake is an urban oasis, perfect for boating, jogging or picnicking. Papago Park gives visitors a taste of the scenic Sonoran Desert landscape with hiking and biking trails and attractions like The Phoenix Zoo. For more information about what to see and do in Tempe, visit [www.ExploreTempe.com](http://www.ExploreTempe.com) or call 800-283-6734.

### Program:

Agenda updates will be posted at <http://www.armyconference.org>.

Short Course Abstract:

## **Categorical Data Analysis**

This course will cover the analysis of contingency table data (tabular data in which the cell entries represent counts of subjects or items falling into certain categories). Initial topics include chi-square tests for independence, exact testing methods, and treatment of ordered data. Both 2-way and 3-way tables are covered. The course moves quickly into a contemporary modelling approach to categorical data analysis, which is motivated through special cases of the generalized linear model, specifically Poisson regression for count responses and logistic/ probit regression for binomial responses. The focus will be on interpretation of models rather than the theory behind them. After taking this course, students will know how to perform logistic regression (with both binomial and multinomial response), probit, logit and loglinear analysis using statistical software. Model diagnostics and interpretation of results are also covered, and longitudinal analysis is introduced.

The Instructor:

Dr. Brian Marx is Professor of Statistics at Louisiana State University, and has taught Categorical Data Analysis for over ten years. He is currently serving as Chair of the Statistical Modelling Society and is the Coordinating Editor of *Statistical Modelling: An International Journal*. Dr. Marx has numerous publications in peer reviewed journals.