

General Information
U.S. Army Conference on Applied Statistics

Registration:

To register for the conference, please complete the conference registration form included in this packet. 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. Graduate students in Houston area universities are asked for a nominal \$25 fee. Retirees wishing to attend are asked for \$125. A short course "An Introduction to Network Analysis," offered by Stan Wasserman and Ms. Ann McCranie, Indiana University, will precede the conference on 15-16 October. The 1 ½ day tutorial will start at 8:30 AM Monday and will be held in Room 3092, Duncan Hall on the campus of Rice University. Check for updates at www.armyconference.org for other specifics regarding tutorial structure and materials required to get the most out of this opportunity. 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.

Lodging:

- Holiday Inn Hotel & Suites Houston Medical Center
6800 Main Street Houston, TX 77030, \$95/\$95 Single/Double
- Reference: ACAS.
- **The rooms have been blocked only through 28 September.** (50 rooms in the block)
- The following web site takes you directly to registration for this conference.
<http://www.ichotelsgroup.com/h/d/HI/1/en/advancedsearch?whichtype=room&roomResult=none&hotelCode=hound&quickRes=city&GPC=ACA&requestid=221168>

The government per diem for Houston is \$95 lodging and \$56 meals. Hotel and sales taxes are reimbursed above the lodging per diem.

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, and Barry Bodt. Please join us on Wednesday evening to share in this annual banquet event. Tickets are included in the registration fee.

Other Site Details:

The conference and tutorial will be held on the campus of Rice University at Duncan Hall. Bus service will be provided from the hotel to Duncan Hall and return each day for tutorial, conference, and evening events. Parking on campus is not a good option. If you stay at another hotel, we suggest you get to the conference hotel to catch the bus over. Check local arrangements on the web site for additional details/times on the bus service.

To learn more about the Houston, we suggest <http://www.visithoustontexas.com>
For more information about our host, visit <http://statistics.rice.edu/>.

Program:

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

Tutorial:

An Introduction to Network Analysis

Network analysis focuses on relationships between interacting entities. It is used widely in the social and behavioral sciences, as well as in political science, economics, organizational science, and industrial engineering. The network perspective, which will be taught in this workshop, has been developed over the last sixty years by researchers in psychology, sociology, and anthropology, as well as statistics and mathematics.

This 1.5 day workshop will present an introduction to various concepts, methods, and applications of network analysis drawn from the social, behavioral, and organizational sciences. The primary focus of these methods is the analysis of relational data measured on groups of actors. Topics to be discussed include an introduction to graph theory and the use of directed graphs to study structural theories of actor interrelations; structural and locational properties of actors, such as centrality, prestige, and prominence; subgroups and cliques; equivalence of actors, including structural equivalence, blockmodels, and an introduction to role algebras; an introduction to local analyses, including dyadic and triad analysis; and statistical analyses, using models such as p_1 , p^* , and their relatives.