

Hotel Accommodations:

Sheraton Phoenix Airport Hotel

1600 South 52nd Street
Tempe, AZ 85281
UNITED STATES
Toll-Free: 1-800-346-3049
Tel: 1-480-966-6600
Fax: 1-480-966-2392
E-Mail: sheratonphxap@az.rmci.net

Room Rate:

US \$121/night + tax
(please reference the Biological Systems Simulation Conference when making your reservation)



Phoenix Area Attractions:

Visit the Heard Museum or Science Center in downtown Phoenix. Spend a day at the Phoenix Zoo or Desert Botanical Gardens. Enjoy one of Phoenix's professional sporting events - the Arizona Diamondbacks, Phoenix Suns or Phoenix Coyotes. Enjoy shopping at the Arizona Mills Mall, nightlife at Mill Avenue in Tempe, cultural events at the Phoenix Symphony or concerts at numerous nearby venues. Take a day trip to the Red Rocks of Sedona, the Grand Canyon, Tombstone or Old Mexico.

Climate:

Temperatures in Phoenix in April are warm (85°/60°F; 29°/14°C). Visitors should bring light clothing and hats for the sunshine.

Highlights of the 35th Biological Systems Simulation Conference

Key dates:

- February 28. Summaries due
- March 12. Early registration ends
- April 18: On-site registration
- **April 19-21: Conference**
- April 22: Post-conference “hands-on” workshop for modeling sorghum FACE experiments

Location:

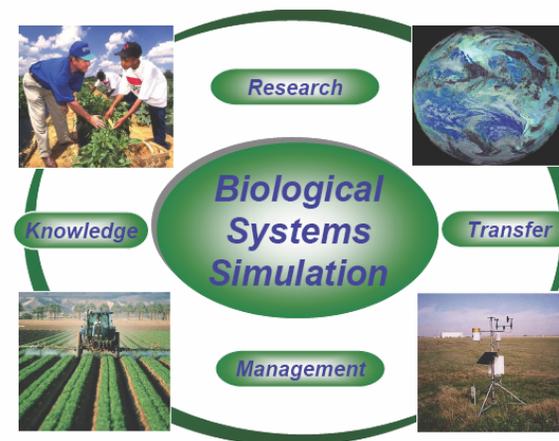
- Phoenix, Arizona, USA
- Sheraton Phoenix Airport Hotel

Registration:

- By March 12, 2005
 - US\$ 225 (full registration)
 - US\$ 125 (students)
- After March 12, 2005
 - US\$ 275 (full registration)
 - US\$ 175 (students)

Highlights:

- Oral presentations
- Poster displays
- Software demonstrations
- Published proceedings
- Field trip to The University of Arizona’s Maricopa Agricultural Center, site of the new U.S. Arid Land Agricultural Center with special luncheon ((half day)
- Post-conference “hands-on” workshop to model sorghum response to elevated CO₂ using FACE data sets



35th Biological Systems Simulation Conference

April 19-21, 2005
Phoenix, Arizona

Hosted by:



The U.S. Water Conservation Laboratory is part of the USDA ARS and has served the agricultural community since 1958.
www.uswcl.ars.ag.gov

Join us in Phoenix!

Come to Arizona for three days of talks, posters and lively discussion on systems simulation.

Proposed Sessions

- Plant-level biological processes
- Soil water, nutrient and energy balances
- Gene-based modeling and genomics
- Linking crop models to remotely-sensed data
- Assessing impacts of pests, weeds and diseases on crop performance
- Management and Decision Support Systems
- Data management and software engineering
- Modeling effects of climatic variability and global change

Sessions run from 8:00 to 5:00 with catered breaks and a luncheon each day.

How to Participate

- **Register** by March 12, 2005
- **Submit summaries** by Feb. 28, 2005
- **Make hotel reservations**

The conference will include oral presentations, posters, and software demos. All submissions relevant to biological systems simulation are welcome. If there are too many submissions of one type, the Conference organizers may request that a paper be presented in another format.

Software demonstrations will be on participants' portable computers. Summaries (1 to 2 pages) must be submitted in electronic format as specified at the conference web site

<http://ars.usda.gov/News/docs.htm?docid=6690> and with the registration material.

History of the BSSG

The Biological Systems Simulation Group is in its 35th year and brings together an international group of scientists interested in using integrated systems approaches to study agricultural and natural systems. Topics range from basic physiological and biological systems to ecosystem simulations of field-level flows of water, carbon, energy, and nutrients to region-level analyses of the impacts of climate variability and global change. This includes a strong focus on the study and dynamic simulation of effects of climatic and biotic factors on crop performance.

Post-Conference Workshop

From 1989 to 1999, the USWCL conducted free air CO₂ enrichment (FACE) trials using cotton, wheat and sorghum. Continuing the tradition of providing FACE data for model development and testing, the USWCL invites interested parties to remain in Phoenix after the BSSG for an informal "hands-on" one-day modeling workshop, emphasizing the sorghum data sets. These include management, weather, soil and crop growth data. Data will be provided in ICASA format prior to the conference so that people can come to the workshop with specific questions or suggestions. Wheat and cotton FACE data sets also are available.



Free Air CO₂ Enrichment experiment with sorghum

Registration

PLEASE FAX, or E-mail the following information to the conference secretary:

Ms. Lou Draper

PHONE: 1-602-437-1702 ext. 236

FAX: 1-602-437-5291

E-mail: ldraper@uswcl.ars.ag.gov

Name: (as to appear on badge)

Title:

Affiliation(s):

Address:

City (Place):

State/Province:

Postal Code:

Country:

Telephone:

FAX:

E-mail:

Will attend FACE sorghum WS: Yes/No

Further information at conference web site:

<http://ars.usda.gov/News/docs.htm?docid=6690>

Conference Organizers

Jeffrey W. White

US Water Conservation Laboratory
Phoenix, Arizona

Bruce A. Kimball

US Water Conservation Laboratory
Phoenix, Arizona

Kenneth J. Boote

University of Florida
Gainesville, Florida

Refund policy: Requests for registration refunds will be honored if written notice of cancellation is received by the USWCL on or before March 21, 2005. A \$40.00 processing fee will be deducted from all refunds. No refunds will be honored for cancellations after March 21, 2005.

Special needs: Participants with special needs can be reasonably accommodated. Please contact the conference secretary, Lou Draper, at least 10 days prior to the conference.