



*Integrated Biological
Systems Conference
April 14-16, 2003
San Antonio, Texas*

The increasing importance of biological systems to our economy and environment has fostered studies on a wide range of bio-processes, from nutrient uptake and energy capture in greenhouse, field, and forest crops, to the impacts of climatic, edaphic, and biotic stresses on field, farm, landscape, and watershed level crop performance. There is an ever-increasing need to identify and study key physiological and biological processes and to integrate the resulting knowledge into management tools. The complexity inherent to biological systems poses numerous challenges to developing, delivering, and maintaining management systems. As we reflect on our past progresses and achievements, we envision solutions to new challenges and pressing problems. What are the key processes that will help us to better understand the inter-relationships of the target system? How can we synthesize

existing knowledge and information to develop viable technology? What are the most efficient ways of delivering and maintaining the resulting technology, and adapting it to different bio-economic environments and conditions? How can we overcome the gaps and build long-lasting bridges between research, technology, and implementation?

You are invited to attend the *Integrated Biological Systems Conference*. A goal is for the conference to serve as a forum for the exchange of scientific knowledge on different facets of plant/crop systems, from experimental results addressing fundamental questions to the delivery and maintenance of integrated management systems. Hope you will join us.

Hosts

Integrated Biological Systems: Research, Synthesis, and Management is co-hosted by the Biological Systems Simulation Group (BSSG), the Agroecosystems Research Group (AESRG), the Alternate Crops and Systems Lab (ACSL), and the Cropping Systems Research Lab (CSRL).

History

The BSSG is in its 33rd year, and is comprised of an international group of scientists interested in the use of integrated systems approaches to study agricultural and natural systems. This includes topics as diverse as basic physiological and biological processes, field level multi-trophic eco-simulation analyses, and landscape and global level analysis of the impact of biotic and environmental perturbations. The AESRG, the ACSL, and the CSRL are all strongly focused on the study of environmental and biotic stresses and their impact on crop performance.



Hotel Accommodations:

SAN ANTONIO-DOWNTOWN
Holiday Inn Hotel 318 W. Durango Blvd.
SAN ANTONIO, TX 78204
UNITED STATES

Toll-Free: 1-800-445-8475

Tel: 1-210-225-3211

Fax: 1-210-225-1125

E-Mail: hi-sanantonio@bristolhotels.com

Room Rate:

US \$80/night + tax (please reference the *Integrated Biological Systems Conference* when making your reservation)

Attractions:

The Riverwalk and the colorful Market Square are within walking distance. Just across the street jump on the trolley car service to all the downtown attractions including the Alamo and the Rivercenter Mall.

Climate:

Temperatures in San Antonio in April are mild. Visitors should bring light clothing.

Conference Highlights



Dates:

- April 13 (on-site registration)
- April 14-16 (conference)

Location:

- San Antonio, Texas, USA

Registration

- By Dec. 31, 2002
 - US \$225 (full registration)
 - US \$125 (student registration)
- After Dec. 31, 2002
 - US \$275 (full registration)
 - US \$175 (student registration)

Conference Highlights

- Oral Presentations
- Student Presentation Competition
- Software Demonstrations
- Poster Session
- Web and Hard Copy Abstracts
- Banquet
- Catered Luncheons

Integrated Biological Systems: Research, Synthesis, and Management

Sessions and Keynote Speakers

Soil/Weather Data Acquisition, Synthesis, and Delivery

- Joyce Fox Strand, University of California
Statewide IPM Program

Plant/Crop Systems: Biological Processes

- Tom Sinclair, Crop Genetics &
Environmental Research Unit,
USDA/ARS

Plant/Crop Systems: Integration

- Andy Gutierrez, Department of
Environmental Science, Policy &
Management, UC Berkeley

Management and Decision Support Systems

- Hugo Challa, Department of Farm
Technology, Wageningen University

Landscape and Watershed Level Systems

- Theo Dillaha (confirmation pending),
Department of Biological Systems
Engineering, Virginia Polytechnic Institute

Building and Maintaining the Bridge: From Research to Technology Transfer

- Mike Bange, CSIRO Division of Plant
Industry

Registration Information

Please phone, FAX, or E-mail the following information.

Name: (as to appear on badge)

Title:

Affiliation(s):

Address:

City (Place):

State/Province:

Postal Code:

Country:

Telephone:

FAX:

E-mail:

Conference Registration Options:

Attention: Tammy Tindel

PHONE: 409-752-2741 ext. 2227

FAX: 409-752-5560

E-mail: IBS@aesrg.tamu.edu

Web: <http://beaumont.tamu.edu/conference>

Conference Organizers

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Texas A&M University System,
Agricultural Research & Extension
Center
Beaumont, TX 77713
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