## The Proceedings of

## **ISECON 2003**

The 20th Annual Information Systems Education Conference

Join The IS Fleet

Don Colton, Editor Brigham Young University Hawaii

William J. Tastle, Co-Editor, Papers Chair Ithaca College

Mark (Buzz) Hensel, Co-Editor, Papers Co-Chair The University of Texas at Austin

Amjad A. Abdullat, Co-Editor, Papers Co-Chair West Texas A&M University

> Marriott Mission Valley San Diego, California November 6 to 9, 2003

> > ISSN: 1545-7382

 $\ \, \textcircled{2}003,$  EDSIG and Foundation for Information Technology Education

## The Proceedings of ISECON 2003

The 20th Annual Information Systems Education Conference  $Join\ The\ IS\ Fleet$ 

Don Colton, Editor Brigham Young University Hawaii

William J. Tastle, Co-Editor, Papers Chair Ithaca College

Mark (Buzz) Hensel, Co-Editor, Papers Co-Chair The University of Texas at Austin

Amjad A. Abdullat, Co-Editor, Papers Co-Chair West Texas A&M University

Marriott Mission Valley, San Diego, California November 6 to 9, 2003

ISSN: 1545-7382 CD-ROM format.

The Information Systems Education Conference (ISECON) solicits and presents each year papers on topics of interest to IS Educators. ISECON 2003 is the twentieth in an annual series of international conferences devoted to education in the field of Information Technology. Conferences such as this are possible only because of the continuing interest and support of the Information Systems educational community, expressed by their submission of high-quality papers and their attendance at the conference. The ISECON 2003 Conference Committee and sponsors gratefully acknowledge all the authors, reviewers, and other participants for contributing to the success of this conference.

ISECON (the Information Systems Education Conference) is jointly sponsored by the Foundation for Information Technology Education (EF, 401 North Michigan Avenue, Suite 2200, Chicago, IL 60611-4267 USA. Phone: 800.224.9371) and The Education Special Interest Group (EDSIG) of the Association of Information Technology Professionals (AITP, same address).

ISECON receives additional direct and indirect support from the institutions of each of the members of the conference committee.

ISECON 2003 received special support with web-based pre-registration, onsite registration, and the conference website from the School of Computer and Information Sciences at the University of South Alabama.

The Proceedings of ISECON are published on CDROM, but can also be found online at http://isedj.org/isecon/

Many papers from ISECON are also printed in the Information Systems Education Journal (ISEDJ), which can be found online at http://isedj.org/

©2003, EDSIG and Foundation for Information Technology Education