

**61st Annual
Engineering Design
Graphics Division
Mid-Year Technical
Conference**



**Conference
Program**

**Handerly Hotel
San Diego, CA
January 13 – 16, 2007**



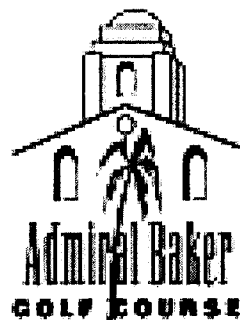
Saturday, January 13

1:00 – 5:00



Registration – Hotel Central Lobby

1:00 – 5:00


Golf Outing - at Admiral Baker – meet in hotel lobby



Sunday, January 14

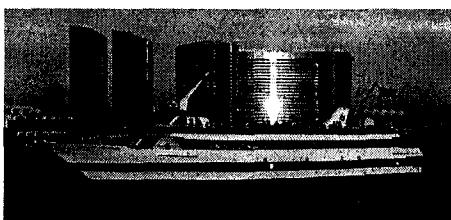
- 8:00 – 5:00** **Registration – Hotel Central Lobby**
- 10:00- 12 noon** **Free  Archway Systems and  UGS Sponsored Workshop – Topic: Solid Edge - Executive Room**
This hands-on workshop will introduce the attendee to Solid Edge v19 and will provide them with an evaluation CD plus FREE 2D CAD software in unlimited quantity. Bring a laptop for some hands on experiences.
- 1:00 – 3:00** **EDGD Executive Board Meeting - Executive Room**
Ted Branoff, Engineering Design Graphics Division Chair
- 2:00 – 5:00** **Vendor Setup – Palm Area**
- 6:00 – 8:00** **Opening Reception Hosted by Autodesk® - Palm Area**
Vendor Displays Open

Monday, January 15

- 7:30 – 8:45** **Registration – Hotel Central Lobby**
- 8:00 – 8:30** **Continental Breakfast – Palm Area**
- 8:30 – 8:45** **Welcome – Terrace Room**
- 8:45 – 10:00** **Technical Papers Session 1 - Graphical Techniques - Terrace Room**
Judy Birchman, Purdue University, Moderator
- Accurate Lighting with Image-Based Lighting and Floating Point Images*
Marty Fitzgerald, East Tennessee State University
- Using Microsoft Producer to Develop and Deploy Dynamic Streaming Content In Engineering Related Courses*
Keith Hopper, B. Oliver, Southern Polytechnic State University
- Leveraging Computer-Aided Design (CAD) Software to Perform Visual Data Mining Operations*
Robert Hewitt, University of Memphis
- A Case Study In Utilizing Legacy CAD Data*
Nate Hartman, Dennis Wittenborn, Purdue University
- 10:00-10:30** **Break Hosted by  Archway Systems – Palm Area**
Vendor Exhibits

Monday, January 15

- 10:30-11:45 Technical Session 2—Graphics Curriculum - Terrace Room**
Nancy Study, Virginia State University, Moderator
- Accurate Lighting With Image-Based Lighting and Floating Point Images*
Marty. Fitzgerald, East Tennessee State University
- 3D CAD: A Plus for STEM Education*
Marie. Planchard, SolidWorks Corporation
- The Interactive Information Design Learner-Centered Experience*
La Verne Abe Harris, Arizona State University Polytechnic
- Integration of a Conceive-Design-Implement-Operate (CDIO) Experience*
In a Sophomore-Level Aerodynamics Course
Nicholas Bertozz Priti Bhatnagar, Sonja Crowder, David Guo, Chad Hebert, Christopher McInnis, Daniel Webster College
- 12:00-1:45 EDGD Business Lunch - Terrace Garden**
Ted Branoff, Engineering Design Graphics Division Chair
- 2:00-3:15 Technical Session 3 —Assessment and Evaluation - Terrace Room**
Dennis Lieu, University of California-Berkeley, Moderator
- Nonparametric Statistics: A Demonstration of Several Statistical Procedures and Their Use With Graphics Education Research*
Alice Scales, North Carolina State University
- Accreditation vs. Program Review: A Case Study In a Graphics-Intensive Baccalaureate Degree Program*
Marvin Sarapin, Purdue University
- Do Online Formative Questioning Strategies Correlate With End-of-Course Evaluations?*
T. Branoff, North Carolina State University
- Engineering/Technical Graphics Education and the Revised Bloom's Taxonomy*
A. Clark, North Carolina State University
- 3:15-3:45 Break – Vendor Exhibits – Palm Area**
- 5:15 Assemble for Division Outing Transportation – meet in hotel lobby.**
- 6:00-11:00 San Diego Harbor Cruise and Dinner**



Tuesday, January 16

8:00 - 8:45 Continental Breakfast – Palm Area

8:45-10:00 Technical Session 4—Visualization

Mary A. Sadowski, Purdue University, Moderator

Effective Strategies In Developing 3-D Spatial Skills Among K-12 Students

Sheryl Sorby, T. Drummer, R. Molzon, K. Hungwe, Michigan Technological University

Mentored Sketching as an Approach to teaching Visualization in Engineering Graphics

Craig Miller, Purdue University

Incorporating a Six-Step Systems Approach to Solving Visual Communication Problems

Carley Augustine, Purdue University South Bend

A Phenomenological Examination of Spatial Ability

James Mohler, Purdue University

10:00-10:30 Break (Sponsored by Autodesk, Schroff, Solidworks and Delmar)

10:30-11:45 Technical Session 5 —Design

Michael Stewart, Georgia Tech University, Moderator

The Selection of a Collaborative Design Solution for Use Within Team Design Projects

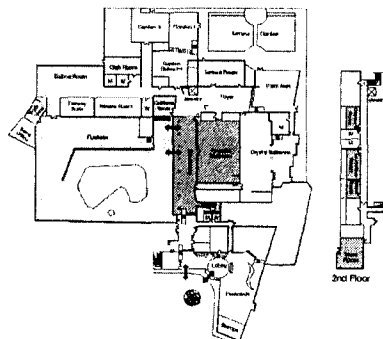
Denis Kelley, H. Y. Liu, Central Michigan University

Developing Professional Practices Through Civic Engagement: A Case Study of Computer Graphics Technology Senior Design Courses

Dan Baldwin, Adam Siurek, Indiana University-Purdue University-Indianapoli, M. Daubs, The University of Western Ontario

A Follow-up on Collaborative Design Used in EIT Design Classrooms: What we have learned and where we see it going.

Tom Singer, Sinclair Community College, Scot Rabe, Ventura College



Handerly Hotel Property Map

Tuesday, January 16

12:00-1:00 Lunch on Your Own

1:30-2:45 Technical Session 6—Graphics Teaching

Kathryn Holliday-Darr, Penn State University, Moderator

Designing the Graphical User Interface of an Integrated Course Management System

Walter Rodriguez, Florida Gulf Coast University

Photo Phacts: A Board Game for Learning Photography Cognitive Content

Dan Baird, Southeast Missouri State University

Using Basic Computer-Aided Drafting and Design Courses at the Freshman Level to Improve Technology Students Competitiveness in Obtaining Early Academic Career Internships

Moustafa Moustafa, Old Dominion University

2:45-3:15 Break

6:00 – 7:00 Attitude Adjustment Hour and Banquet Reception/Cash Bar – Garden 1

7:00 – 9:00 Engineering Design Graphics Division -

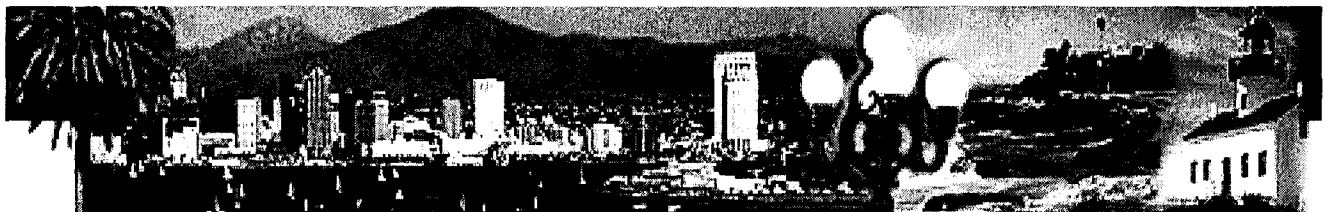
Awards and Honors Banquet – Garden 1

Ted Branoff, Engineering Design Graphics Division Chair

After Dinner Presentations

Spouse's/Companion's Program

Monday - A Day in San Diego



Tuesday – A Day in Balboa Park including the Zoo

Thank You to our Conference Sponsors



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