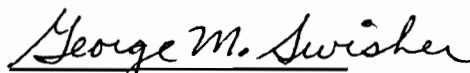


Minutes of the Business Meeting
ASEE Southeastern Section Administrative Unit (1988)

The Annual Business Meeting of the Southeastern Section Administrative Unit was held on Monday, April 11th, 12:45 p.m. at the Galt House in Louisville, Kentucky as part of the ASEE Zone II meeting. Those in attendance were: Dr. Richard Roberds (Vice - Chairman), University of Tennessee Space Institute; Dr. John Mason (Secretary), Tennessee Tech University; and members: Dr. Wayne Chen, University of Florida; Dr. George Swisher, Tennessee Tech University; and Dr. Robert Snyder, ASEE Section President, University of North Carolina at Charlotte.

1. The meeting was called to order at 12:45 by Vice-Chairman Roberts. He commented that Chairman Dr. Ron Cox was unable to attend this meeting.
2. Secretary John Mason read the minutes of the 1987 meeting. They were approved as read.
3. Discussion ensued about next year's program to be sponsored by the Unit at the Section meeting in Alabama. Since a conference theme had not been chosen yet, the Unit program would be on hold until probably the Fall planning meeting in Atlanta. Possible topics suggested were development, student achievement, external educational delivery systems such as FEEDS in Florida and the National Technological University, and computer-aided-administrative planning.
4. The usefulness of the Planning Factors and Salary Studies conducted by Gene Hemp and Jim Brunson at the University of Florida was reemphasized. It was hoped that they would present the 1988-89 results at the Alabama meeting.
5. George Swisher was elected secretary for 1988-89.
6. The Fall planning meeting will be held in Atlanta in September.

Respectively submitted,


George M. Swisher
Secretary

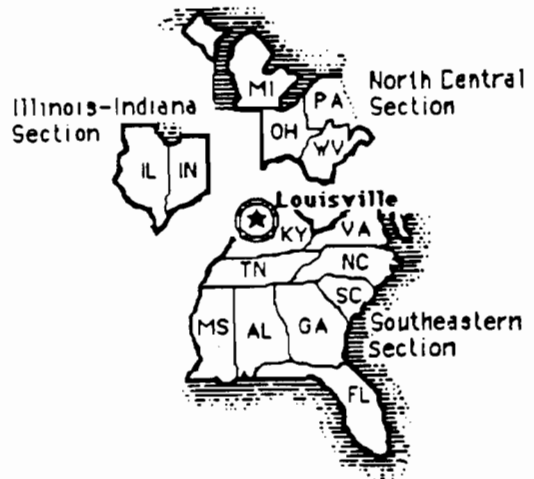


ASEE/Zone II
1988 Meeting
... Together for Quality & Productivity

University of Louisville
Speed Scientific School
209 J.B. Speed Hall
Louisville, Kentucky 40292

ASEE ZONE II MEETING 1988

"... Together for Quality & Productivity"



PROGRAM

APRIL 9 - 12, 1988

Galt House
Louisville, Kentucky

University of Louisville
Speed Scientific School
Louisville, Kentucky

**1988 ...Together for Quality and
Productivity**

ASEE Zone II Meeting

April 9 -12, 1988

SPONSORED BY:

North Central Section
Southeastern Section
Illinois - Indiana Section

HOSTED BY:

University of Louisville
Speed Scientific School
Dr. Earl Gerhard, Dean

GENERAL CHAIRMAN:

Richard H. Latimer
University of Louisville
502-588-7129

ASSOCIATE CHAIRMAN:

William C. Cooley
George Mason University
703-323-2466

TECHNICAL PROGRAM CO-CHAIRMEN:

Bruce Harding (Ill-Ind Section)
Purdue University
William C. Cooley (Southeastern Section)
George Mason University
Colby V. Ardis (North Central Section)
University of Toledo

PUBLICATIONS:

Joseph M. Biedenbach
University of South Carolina
Lawrence P. Grayson
National Institute of Education

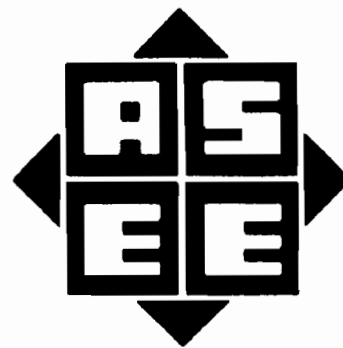
COORDINATING COMMITTEE:

Robert A. Matthews
Donald R. Ethington
Don L. Dekker
Max L. Hailey
Gerald S. Jakubowski
Hugh F. Keedy
Joseph Pierce

ZONE II 88 MEETING

The first ZONE II meeting is being held at the Galt House Hotel , April 9 - 12, 1988. The ZONE II meeting is hosted by the University of Louisville. The theme, ". . . Together for Quality and Productivity", indicates that the three ASEE sections are joining together in this meeting and have produced the first ever ASEE Zone meeting. This promises to be an exciting conference with many opportunities to interact and share our dreams with fellow colleagues. The program also offers us a chance to learn more about both Quality and Productivity in Industry and Quality and Productivity in Engineering Education.

The 1987 ASEE Annual Conference was held in Reno, Nevada and the 1988 ASEE Annual Conference will be held in Portland, Oregon. Due to limited travel budgets and busy schedules many people in the eastern part of the continent have not been able to attend these annual conferences. After some preliminary discussions, the Southeastern Section issued an invitation to the North Central Section and the Illinois-Indiana Section to experiment with the concept of a regional ASEE meeting which would be larger than the individual section meetings. The 1988 ZONE II Meeting is the result of much hard work on the part of the section officers and the program chairmen. Enjoy and Learn!!



11E1 - Cast Off Reception

Coordinator: Robert A. Matthews
University of Louisville

Place: Belle of Louisville Trip

Time: Boarding at 6:30 p.m.

Departure at 7:00 p.m.

Return at 10:00 p.m.

UNIVERSITY OF LOUISVILLE

Welcome to the University of Louisville, one of the oldest institutions of higher education in the United States. With a student population of nearly 20,000. U of L offers 36 graduate, undergraduate, and associate degrees, as well as certificates in 146 fields of study through 12 colleges and schools.

Over the years, U of L has graduated more than 64,500 individuals. Of those, 60 percent have remained in Kentucky. In fact, 42 percent of Kentucky's dentists, 34 percent of the Kentucky Bar Association's membership, and 48 percent of Kentucky's engineers are graduates of U of L.

As the state university in Kentucky's most populous city, U of L has developed a sensitivity about the problems and the opportunities of urban America. Two areas of the University typify this specialization. The Health Sciences Center, located in downtown Louisville, contains the Schools of Dentistry, Medicine, and Nursing, as well as the Division of Allied Health. The Schools of Dentistry and Medicine participate in the treatment of over 160,000 people yearly. Another focus of U of L's urban expertise, the College of Urban and Public Affairs, applies an interdisciplinary approach to urban problems.

U of L's contributions extend beyond its urban mission. The University's College of Arts and Sciences and Schools of Business, Education, Engineering, Graduate Programs and Research, Law, and Music have significantly contributed to the intellectual, commercial, and cultural climate of Louisville, the Commonwealth of Kentucky, and the U.S..

As you spend time on U of L's four campuses, you'll notice a stimulating blend of old and new buildings. Over the last 15 years, more than \$200 million has been spent on building new facilities and renovating existing buildings. These include a library, a chemistry research and classroom facility, a hospital, a cancer center, plus new homes for the Schools of Business, Education, and Music.

Tuesday, April 12, 1988

Galt House - Louisville, Kentucky

12A1 - General Session: "ASQC and ASEE"

Moderator: Don L. Dekker

Rose-Hulman Institute

Place: Archibald Room

Time: 9:00 a.m. - 10:00 a.m.

- 1) "The Educational Mission of the American Society for Quality Control"
Robert English, Purdue University
- 2) "The Role and Mission of The American Society for Engineering Education"
Dr. F. Karl Willenbrock
Executive Director - ASEE
Washington, DC

Coffee Break - 10:00 a.m. - 10:15 a.m.

12B1 - General Session - Panel Discussion

Moderator: William C. Cooley

George Mason University

Place: Archibald Room

Time: 10:15 a.m. - 11:30 a.m.

Panel Members:

- 1) Robert G. Batson, University of Alabama
- 2) Robert English, Purdue University
- 3) Dennis J. Kahler, Manager of Quality Programs
General Electric Appliance Park
Louisville, Kentucky
- 4) Dr. F. Karl Willenbrock, Executive Director
American Society for Engineering Education
Washington, DC

12B2 - Industrial Tours

Moderator: Joseph Pierce

University of Louisville

Place: General Electric

Ford Motor Company

Time: 1:30 p.m. - 5:00 p.m.

(Meet in lobby)

11C3 - Interaction With Industry

Moderator: E.L. Widener

Purdue University

Place: Kings Head Room

Time: 2:15 - 3:45 p.m.

- 1) "Research Centers Of Excellence - Fantasies and Myths"
Richard H. McFarland, Ohio University
- 2) "How-I-Got-Where-I-Am-From-Where-You-Are"
*Daniel N. Cote,
Southern Illinois University at Edwardsville*
- 3) "Engineering Education In Japan A La Sabbatical"
Terry Ishihara, Saginaw Valley State College

3:45 p.m. - 4:00 p.m. - Coffee Break

11D1 - Computer Applications - II

Moderator: W. A. Shaw,

Auburn University

Place: Queen Room

Time: 4:00 - 5:30 p.m.

- 1) "Signal Analysis Package (SAP)"
Ronald C. Houts, University of Alabama
- 2) "Student Prepared Programming Packages"
*Andrew C. Kellie, Timothy Philpot and Williams Whitaker,
Murray State University*
- 3) "The Literature of Semiconductors, The Bradford
Distribution And Library Collection Verification"
Nestor L. Osoria, Northern Illinois University
- 4) "Text On A Disk"
William K. Dalton, Purdue University

11D2 - Faculty Development

Moderator: Bradley Harriger

Purdue University

Place: Lord Crewe/Oak Room

Time: 4:00 p.m. - 5:30 p.m.

- 1) "Enhancing The Quality Of Engineering Through Local Area
Networks"
Robert J. Borns, Purdue University
- 2) "Assessing Teaching Effectiveness In Engineering Education"
*Winfred A. Shaw and A. S. Wilke,
Auburn University*
- 3) "Faculty Evaluation, By The Numbers"
*Robert D. Haich and R. R. Lundstrom,
Lawrence Institute of Technology*
- 4) "The Role Of The Academic Advisor In Undergraduate
Engineering Education"
Brian Akers, Western Michigan University

11D3 - Non-Traditional Education

Moderator: Sayyed Kazem,

Purdue University

Place: Gothick Room

Time: 4:00 p.m. - 5:30 p.m.

- 1) "Temporaries As Permanent"
Joseph J. Taschetta, Purdue University
- 2) "An Experience In Preparing Minority & Women High
School Students For Pursuing A Career In Science Or
Engineering"
*Luke M. Snell and Jacob H. Van Roekel,
Southern Illinois University at Edwardsville*
- 3) "Quality Higher Education For The Incarcerated Student"
*Richard L. Taylor and L. Edward Bednar,
Purdue University*
- 4) "Technical/Industrial Programs Interface With Business
Courses"
*Thomas A. Knaphe and Gregory F. Schumm
Wright State University-Lake Campus*

SPEED SCIENTIFIC SCHOOL

HISTORY

The Speed Scientific School was established in September of 1924, as a result of an endowment from the James Breckenridge Speed Foundation, a memorial to the late James Breckenridge Speed created by his son and daughter, Dr. William S. Speed and Mrs. Olive Speed Sackett of Louisville. The income from this endowment is used exclusively as a supplementary means of support of the activities of the school.

James Breckenridge Speed (1844-1912), an industrial pioneer in the City of Louisville, was the scion of an illustrious Kentucky family. He was a leader in the establishment of Louisville's street railway system.

He also developed and operated large coal interests in the State of Kentucky and was among the first to recognize the place Portland Cement would have in the growth of America. The industries in which he maintained an active interest until his death in 1912 have been anucleus around which the City of Louisville and its greater metropolitan area have grown to their present industrial stature. It is fitting that his memory be perpetuated in an engineering school bearing his name.

Dr. William S. Speed and Mrs. Olive Speed Sackett contributed liberally to the building of the school, having made additional grants toward the erection of the James B. Speed Building, Frederic M. Sackett Hall, and William S. Speed Hall. Mrs. Virginia Speed, wife of Dr. Speed, also generously assisted the school with gifts and other benevolences essential to its continued success, prior to her death in 1969.

THE OPPORTUNITY

The most important decision facing the young high school graduate is choosing a career. One desires a career that will provide the essentials necessary for happiness; a worthy and challenging goal, a good life, a satisfactory income, an opportunity for service, and the respect of others.

By choosing a career as either an engineer or a technologist, a young man or woman will become actively involved in the myriad of technological and scientific breakthroughs which are rapidly changing our way of life, and they will find their chosen career to be among the most challenging and rewarding of the modern learned professions.

To prepare for this challenging work requires the best and most thorough education available. One's high school education should include a basic background of mathematics and science, as these are the disciplines upon which successful engineers and technologists must depend in the pursuit of their professions.

Because of this, students contemplating a career in engineering should have a genuine interest in these subjects, and should have demonstrated ability in them. They should also have an adequate background in English, history, civics, government, literature, and languages. A digital computer language course, e.g. BASIC, should be scheduled, if available, since all engineering disciplines use computers extensively for analysis and design, for control of dynamic systems, for statistical research, and for simulation of systems.

In addition to these academic considerations, one interested in a career in engineering or technology, as in all other learned professions, should have demonstrated the ability to persevere. Because of the demands of these professions adequate preparation is a rigorous process. One aspiring to a career in engineering or technology must have the ability to pursue a professional goal, to work at a problem until it is solved, to refuse to surrender to the easy way out. This kind of training is not found in books. If one has a desire for success, a willingness to work hard, and a determination to make whatever sacrifices are necessary in obtaining an education, then the prospective student in engineering or technology is well on the way toward success in the career he or she has chosen.

The principal purpose of the Speed Scientific School is to give the student thorough, well-balanced training in engineering and applied science as preparation for entry into the profession of engineering or the profession of engineering technology.

Toward the accomplishment of this goal, the faculty of the Speed Scientific School offers three separate and distinct professional curricula: engineering programs, information science and data processing programs, and engineering technology programs.

WELCOME TO LOUISVILLE

How Louisville Began

The history of Louisville began over 200 years ago, on May 27, 1778 when Gen. George Rogers Clark, his soldiers and their families established a settlement to serve as a supply base in their successful wresting of the Northwest Territory from the British.

In spite of Indian attacks and wilderness hardships, the settlement grew and was incorporated as a town on May 1, 1780. Thomas Jefferson, governor of Virginia, signed the city charter, since Kentucky was a county of Virginia at that time.

Gen. Clark named the town to honor King Louis of France in appreciation for French aid during the Revolutionary War. (Ironically, in 1792, the year of Kentucky's statehood, Louis became a victim of the French Revolution.) A statue of King Louis is at the Jefferson County Court House.

Louisville grew steadily. It was the hub of early trails like Daniel Boone's Wilderness Road and a center of Ohio River commerce when the Louisiana Purchase of 1803 opened the Ohio and Mississippi Rivers to the sea.

The invention of the steam boat made river commerce easier and shipbuilding and rope making became important Louisville industries. (The Belle of Louisville, which now offers cruises, is a nostalgic reminder of the importance of riverboat transportation.)

During the "Riverboat Era," the Louisville-Portland Canal was built. The two-mile span, which connected Louisville and Portland, took five years to complete and eliminated the hardship of transporting cargo overland around the Ohio River Falls (the river drops 26 feet in only two miles). One section of the giant "Z" shaped McAlpine Dam is visible from downtown and the entire area can be visited via Northwestern Pkwy. and 26th Street.

11B3 - Laboratories

Moderator: Richard A. Springman,
University of Toledo

Place: Lord Crew/Oak Room

Time: 10:30 a.m. - 12:00 Noon

- 1) "Integration Of Printed Circuit Board Laboratory Into Electronics Curriculum"
Samuel V. Bell, Jr., Verne E. Baxter V. E. Baxter , and Carl L. Colbert,
University of Louisville
- 2) "EMTP In The Classroom?"
R. Thomas Leskovich,
Pennsylvania State University/Monaca
- 3) "A Laboratory Course In Digital Electronics & Microprocessors For Mechanical Engineers"
Stuart Wilkinson,
University of South Florida
- 4) "Laboratory Projects Increase Productivity"
Harold L. Broberg
Indiana-Purdue University

12:00 p.m. - 2:15 p.m. - Lunch

11C1 - Manufacturing - II

Moderator: James M. Daschbach,
University of Toledo

Place: Old River Room

Time: 2:15 p.m. - 3:45 p.m.

- 1) "A Manufacturing Work Cell-Phase III"
Merwin L. Weed and Joseph W. Schaad
Pennsylvania State University/McKeesport
- 2) "Laboratory Facilities for Instruction In Automation And Computer Aided Manufacturing"
Michael P. Deisenroth,
Virginia Polytechnic Institute & State University
- 3) "Quality Education In Manufacturing Engineering And Engineering Technology Requires Revision Of The Vision"
Teruo Fujii and Robert E. Speckert,
Miami University, Ohio
- 4) "Academic Islands Of Automation"
Omar Mohammed and Robert E. Speckert,
Miami University, Ohio

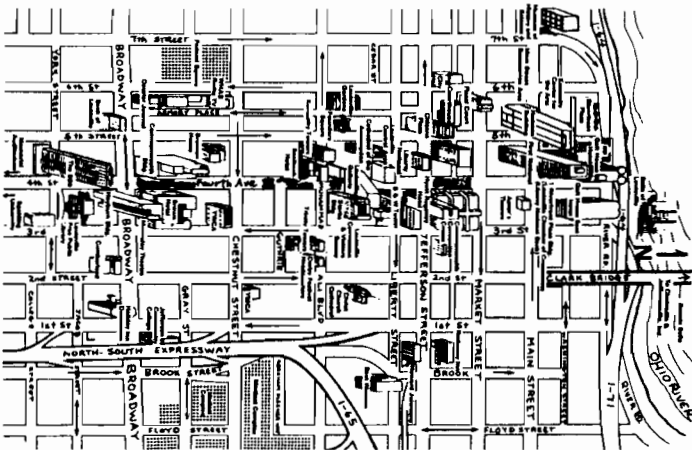
11C2 - Civil Engineering

Moderator: Donald R. Ethington,
University of Louisville

Place: Waterpoet Room

Time: 2:15 p.m. - 3:45 p.m.

- 1) "Spreadsheet Solutions Of Selected Problems In Structural Analysis"
Harry C. Saxe (for the late Thomas C. Evans, Jr.)
The Citadel
- 2) "A Center For Excellence In Construction Safety"
Mumtaz A. Usman,
West Virginia University
- 3) "Using The American Concrete Institute's Contest To Teach Concrete Technology"
Luke M. Snell,
Southern Illinois University at Edwardsville



downtown
louisville

11A2 - Teaching Methods

Moderator: Harry C. Saxe
The Citadel

Place: Kings Head Room

Time: 8:30 a.m. - 10:15 a.m.

- 1) "Teaching Mechanics Using Mixed Units"
Paily P. Paily,
Tennessee State University
- 2) "Do Your Homework Assignments and Quizzes Prepare Your Students For Your Exams?"
Charles F. Yokomoto, Walter Buchanan
West Virginia University
Russell K. Dean, Indiana-Purdue University Ind.
- 3) "Effective Teaching"
Kenneth N. Long,
Georgia Southern College

10:15 a.m. - 10:30 a.m. - Coffee Break

11B1 - Manufacturing - I

Moderator: M.P. Deisenroth,
Virginia Polytechnic

Place: Old River Room

Time: 10:30 a.m. - 12:00 Noon

- 1) "Investigations Of Design Methodology For Superior Products"
Clement C. Wilson,
University of Tennessee
- 2) "A Multiprocessor System For process Control Applications"
S. Ganesan and Rameshwar R. Sharma,
Oakland University
- 3) "Introducing Curves And Surfaces In The Beginning NC Course"
Wesley L. Baldwin,
Ball State University
- 4) "Development and Operations of A Manufacturing-Robotics CIM Laboratory"
John A. Patten,
University of North Carolina

11B2 - Civil & Mining Engineering

Moderator: Colby V. Ardis,
University of Toledo

Place: Gothick Room

Time: 10:30 a.m. - 12:00 Noon

- 1) "Improving CE Laboratory Teaching Through The Use Of Microcomputers."
Chiang Lin and Jianyong Li,
Southern Illinois University at Edwardsville
- 2) "Dam Design: A Project Oriented Approach"
Richard P. Ray and Michael E. Meadows,
University of South Carolina
- 3) "The Salient Distinctions of Mining Engineering"
G. T. Lineberry and Lawrence Adler,
University of Kentucky
- 4) "Strength of Materials Laboratory"
Kassim M. Tarhini., Colby V. Ardis, Gerald R. Frederick and
George J. Murnen,
University of Toledo

ADVANCED REGISTRATION

Meeting, planning, and scheduling, especially for ticketed events, will be greatly aided by your advance registration. Significantly lower registration fees are given to those who register early. You may register in advance by completing the enclosed form and returning it with all applicable fees no later than March 18, 1988.

ASEE ZONE II MEETING

Richard H. Latimer, General Chairman
209 J. B. Speed Hall
University of Louisville
Louisville, KY 40292

On-site registration may be completed at the Galt House Meeting Center, Third floor coat room, located in the Galt House. Registration will be open during the following hours:

Saturday,	April 9	8:00 a.m. - 9:00 p.m.
Sunday,	April 10	7:30 a.m. - 9:00 p.m.
Monday,	April 11	7:30 a.m. - 5:00 p.m.
Tuesday,	April 12	7:30 a.m. - Noon

During these hours, the ASEE ZONE II Registration Center can be reached at (502) 589-5200.

HOTEL ACCOMMODATIONS (See form from Galt House for rates)

Southern Hospitality - Louisville Style

Louisville is a charming and gracious city on the Ohio with a rich variety of activities. One of our most famous is Churchill Downs, where you can sip a mint julep and watch the sport of kings. You may even want to risk a wager on one of our sleek thoroughbreds.

Of course, you have the Ohio and our timelessly beautiful Belle of Louisville right at your doorstep...but don't be content to just gaze at her. Take one of the lazy, languid tours she offers and see our city from the river!

If it's culture you seek, the Galt House is within walking distance of our historic Main Street Preservation District. Main Street boasts one of the nation's finest regional theaters, Actor's Theater of Louisville! The playbill at Actor's Theater is one of the most diverse and exciting anywhere...with a potpourri of the Classics, avant garde and original productions. Main Street also features our new Museum of Natural History and restaurants with exciting and delicious bills of fare.

But that's just a hint of what Louisville has to offer...there's the Louisville Zoo, the J.B. Speed Art Museum, the huge Commonwealth Convention Center, plus hundreds of shops and restaurants. And, just a short drive away, is where you'll find some of the richest, most beautiful horse farms in the world!

And, here, in the center of it all is the Galt House. Room reservations at the meeting hotel should be made prior to March 8, 1988; room will be available after this date, but they will not be held solely for Zone II meeting members.

TRANSPORTATION

AIR

Louisville Standiford Field has commuter air service from all points throughout Zone II. Shuttle service from Standiford Field to the Galt House is available to use airport shuttles, indicate arrival time and flight number on conference meeting form.

BUS

Louisville is served by Greyhound and Trailways Bus Lines with service to all major points throughout Zone II.

AUTO

The Galt House is located adjacent to the intersection of I-64 and I-65 for easy access for all directions with convenient free parking provided. Four major rental car agencies are within 5 minutes of the hotel. Local transportation is provided by the conference for all Zone II events.

EXHIBITS AND DISPLAYS

Exhibits will be located in the Court Delquay Room. Displays will include Engineering Textbooks, Equipment and Accessories for Laboratories and/or Classroom Demonstrations, Computer Software and Hardware, and other State-of-the-Art Tools applicable to the Theme of the Conference"...Together for Quality and Productivity."

Exhibit area will be open from 5:00 p.m. - 9:00 p.m. Saturday and from 11:00 a.m. to 6:00 p.m. Sunday; 9:00 a.m. to 6:00 p.m. Monday, and 9:00 a.m. - 1:00 p.m. Tuesday.

PRE-CONFERENCE WORKSHOPS

Saturday, April 9, 1988

9A1 - 3D PC-CADD WORKSHOP

Moderator: Hugh Keedy
Vanderbilt University

Time: 9:00 a.m. - 5:00 p.m.

Place: University of Louisville
Engineering Graphics Bldg.

(box lunch provided)

Cost: \$35.00

This workshop will provide an introduction to three-dimensional CAD using a personal computer. The concepts of 3-D will be presented along with their applications using CADKEY software. The morning session will focus on the basics of creating and manipulating lines, circles, and arcs and how they are combined into three-dimensional databases. The afternoon session will delve further into creation of three-dimensional representations. Attendees will have an opportunity to develop their skills through exercises that reinforce the principles covered.

Each participant will receive a copy of a newly published text, an introduction to CAD using CADKEY. The author of the book, Hugh F. Keedy, Ph.D., will conduct the workshop. Arrangements can be made for educators who do not have access to CADKEY to receive a free educational version of CADKEY for use on their campuses.

This workshop assumes that participants have little or no knowledge of either CAD or CADKEY, however, the format will be such that those familiar will have ample opportunity to expand their skills during the workshop.

9A2 - EFFECTIVE TEACHING INSTITUTE

Problem Solving and Learning Styles

Moderator: Jim Stice
University of Texas at Austin

Time: 1:00 p.m. - 5:00 p.m.

Place: Galt House

Cost: \$10.00

In this ETI Jim combines two topics which are important to the teaching/learning process.

The problem solving part discusses course objectives, problem solving strategies and pairs problem solving in the classroom.

In the learning styles part, you will discover your own learning style and begin to understand other learning students with our own learning style, it is imperative that we understand other learning styles to truly be effective in the classroom.

About the Presenter:

Jim Stice is the Director of the Center for Teaching Effectiveness at the University of Texas at Austin. He also continues to teach Chemical Engineering classes. His Effective Teaching Institutes have always been well received by the participants and they always are participatory. That is, you learn by doing and getting involved.

Plan to attend this timely and exciting Effective Teaching Institute!

10D1 - CAD and Computer Graphics - I

Moderator: Bruce A. Harding,
Purdue University

Place: Nunn Room

Time: 4:00 p.m. - 5:30 p.m.

- 1) "A CAD Tool for Discrete Component Digital Design"
*Bruce L. George,
Air Force Institute of Technology*
- 2) "Micro-Based CAD: High Technology For Increased Productivity & Quality of Engineering Designs"
*Kenneth Kluka and Linda A. Duricko,
University of Akron*
- 3) "The NC Programmer: A Part of Continuing Education"
*Richard H. Laumer,
University of Louisville*
- 4) "AutoCAD and CNC"
*Ohmar J. Mohammed,
Miami University*

10D2 - Educational Quality

Moderator: Max L. Hailey,
University of Tennessee/Chattanooga

Place: Breathitt Room

Time: 4:00 p.m. - 5:30 p.m.

- 1) "Statistical Training For All Engineers: A National Necessity"
*Robert G. Batson,
University of Alabama*
- 2) "Computer Systems Engineering Technology - A Unique Curriculum"
*Robert L. Douglas, Kenneth D. Cremer,
Memphis State University*
- 3) "Pre-Control: An Approach To Quality That Should Be Taught"
*Robert L. Magowan,
Memphis State University*
- 4) "Joint Efforts To Establish Quality Assurance Programs Industrial Engineering/Statistics"
*Linda Malone and William Swart,
University of Central Florida*

RECEPTION

6:00 p.m., Galt House, Archibald Room

AWARDS BANQUET

7:00 p.m., Galt House, Cochran Room

Monday, April 11, 1988

Galt House, Louisville, Kentucky

11A1 - CAD and Computer Graphics - II

Moderator: James Weiss,
University of Alabama

Place: Queen Room

Time: 8:45 a.m. - 10:15 a.m.

- 1) "Discrete Gradient Optimization: A Graphics Demonstration"
*J.C. Hill,
University of Louisville*
- 2) "Assessment Of The Relationships Between Amount of Visual Education, Visual Perception, and Picture Memory For Technical Illustration Students"
*Scott E. Wiley,
Purdue University*
- 3) "Polygon Modelling: An Initial Phase of CAD Education"
*Larry K. Goolsby and Ibrahim Al-Qattan,
Tennessee Technological University*
- 4) "Microcomputer Graphics Interfacing For The Visual Verification of Material Quantities"
*Walter E. Rodriguez-Ramos,
Georgia Institute of Technology*

Technical Program

Sunday, April 10, 1988
Galt House, Louisville, Kentucky

10B1 - Keynote Session

Moderator: William C. Cooley
George Mason University

Place: Archibald Room

Time: 1:00 p.m. - 2:00 p.m.

- 1) "America's Competitive Crises - Is Engineering Education to Blame?"
Dr. A. Blanton Godfrey
Chairman and CEO
The Juran Institute

10C1 - Design Projects

Moderator: William C. Cooley,
George Mason University

Place: Kings Head

Time: 2:15 p.m. - 3:45 p.m.

- 1) "A Report Of Experience Using Faculty Juries For Administration and Evaluation In A Capstone Design Courses"
Cecil O. Huey, Jr. and Eugene H. Bishop,
Clemson University
- 2) "Assessing The Quality In Student Design Projects"
Susan A. R. Garrod,
Purdue University
- 3) "Digital Logic Design: An Example of Non-Numeric Processing"
J. C. Hill,
University of Louisville
- 4) "Teaching Engineering Methods Through A Freshman Design Project"
David B. Meredith,
Pennsylvania State University

10C2 - Computer Applications - I

Moderator: Robert A. Matthews
University of Louisville

Place: Queen Room

Time: 2:15 p.m. - 3:45 p.m.

- 1) "Development Of Knowledge Based Expert System Programs On Micro-computers And Their Applications"
Javed Alam,
Youngstown State University
- 2) "Integrating Spreadsheet Modeling Into A Mechanics Course"
W. David Cress,
Marietta College
- 3) "A Computer Assisted Instruction Program To Enhance The Education of Statistical Quality Control"
Susan M. Simons,
Memphis State University
- 4) "V and M Pencilpoint"
Mark P. Rossow, G. Raffaele and A. Korn
Southern Illinois University at Edwardsville

3:45 p.m. - 4:00 p.m. - Coffee Break

SPECIAL EVENTS

EVENING AT THE THEATRE

At the modern Kentucky Center for the Arts, experience the Opera "Il Trovatore".

RELIGIOUS SERVICES

Religious services are available. A list will be provided in your registration packet of services in historic churches in Downtown Louisville.

KEYNOTE SPEAKER:

Dr. A. Blanton Godfrey
Chairman and CEO
The Juran Institute

Topic: "America's Competitive Crisis - is Engineering Education to Blame?"

UNIVERSITY OF LOUISVILLE TOUR

Tours of the University of Louisville's new Factory Automation Building and Engineering Graphics Building will be available during the meeting. A map of the University and location will be made available.

BELLE OF LOUISVILLE

The Belle of Louisville, built in 1914, is the oldest operating steamboat on the Mississippi River and part of the National Historic Register. The cruise on the Belle reflects the nostalgic, colorful life that played such an important role in the growth of Louisville. Once on the Belle you will be able to enjoy calliope music known for the unusual tones that entertain passengers with songs that reach back to those golden years. Hors'd'oeuvres served on the main deck and entertainment on the ballroom deck. This evening will be an experience that is different and more exciting than any other.

INDUSTRIAL TOURS

1. General Electric Appliance Park
Factory Automation Tour
2. Ford Motor Company
Bronco II and Ranger Truck Plant
Bronco II and Ranger Assembly Tour

(Choose one tour - limited to 50 participants each)

SPOUSE PROGRAM

No trip to Louisville would be complete without a tour of Churchill Downs, the "Home of the Kentucky Derby". The view of the new Kentucky Derby Museum and the beautiful grounds of the track will delight the novice or most ardent racing fan. Lunch will be served in the Stallion Stakes Restaurant adjacent to the Museum. Next stop will be Locust Grove, the historic home of the founder of Louisville. This home has been restored to its original splendor as it appeared in 1790 when George Rogers Clark lived there. Join the ASEE tour and thoroughly get to know Louisville!

	SATURDAY, APRIL 9		SUNDAY, APRIL 10	
Time	Session	Topic	Session	Topic
7:00			Reserved for Religious Services 7:00 a.m. - 11:00 a.m.	
9:00	Workshop CADKEY 9:00 a.m. - 5:00 p.m. University of Louisville Engineering Graphics Bldg.			
11:00			Brunch 11:00 a.m. - 12:45 p.m. Fountain Room	
12:45				
1:00	Registration 1:00 p.m. - 5:00 p.m. Third Floor Coat Room		10B1 - Keynote Speaker Dr. A. Blanton Godfrey 1:00 p.m. - 2:00 p.m.	
2:00				
2:15	Workshop Effective Teaching Institute 1:00 p.m. - 5:00 p.m. Galt House		10C1 - Design Projects 10C2 - Computer Applications	
3:30				
3:45			COFFEE BREAK	
4:00			10D1 - CAD and Computer Graphics	
5:00	Reception and Exhibits open 5:00 p.m.		10D2 - Educational Quality	
5:30				
6:00	Court/Dell Quay		Reception and Welcome 6:00 p.m.	
7:00			Awards Banquet 7:00 p.m. Archbald/Cochran	
8:00	Kentucky Center for the Arts Opera: "Il Trovatore" 8:00 p.m. - 11:00 p.m.			
10:00				
11:00				

	MONDAY, APRIL 11		TUESDAY, APRIL 12	
Time	Session	Topic	Session	Topic
7:00	Breakfast			
7:30	7:00 a.m. - 8:30 a.m. SE Business Division		Breakfast 7:30 a.m. - 9:00 a.m.	
8:30	Breakfast (5)			
8:45	11A1 - CAD and Computer Graphics			
9:00	11A2 - Teaching Methods Spouses Tour (meet in lobby) Ticket Required) 9:45 a.m. - 3:00 p.m.		12A1 - General Session 9:00 a.m. - 10:00 a.m. *ASQC and ASEE COFFEE BREAK	
10:15	COFFEE BREAK		12B1 - General Session 10:15 a.m. - 11:30 a.m. Panel Discussion	
10:30	11B1 - Manufacturing 11B2 - Civil Engineering and Mining			
11:30	11B3 - Laboratories		Lunch - Section and Division Meetings 11:45 a.m. - 1:00 p.m.	
11:45				
12:00				
12:15	Lunch (on your own) see list of restaurants 12:15 - 1:45 p.m. North Central Section Annual Business Meeting SE Business Unit Lunch (3)		Industrial Tour 1:00 p.m. - 5:00 p.m.	
1:45				
2:15	11C1 - Manufacturing - II 11C2 - Civil Engineering 11C3 - Interaction with Industry			
3:45	COFFEE BREAK			
4:00	11D1 - Computer Applications 11D2 - Faculty Development			
5:00	11D3 Non-Traditional Instruction			
5:30				
6:00	Belle of Louisville Reception 6:30 p.m. - Boarding 7:00 p.m. - Departure			
10:00	10:00 p.m. - Disembarking			