

MINUTES

ADMINISTRATIVE UNIT SESSION  
SOUTHEASTERN SECTION  
AMERICAN SOCIETY FOR ENGINEERING EDUCATION  
APRIL 10, 1995


The Administrative Unit Session of the Southeastern Section of the American Society for Engineering Education was held at 10:45 a.m. on April 10, 1995 in Parlor Room A of the Treasure Bay Resort Hotel in Biloxi, Mississippi.

The attendees were:

Donald Cole	University of Louisville	502-852-1422
Robert Batson	University of Alabama	205-348-1609
Dennis Fallon	The Citadel	803-953-5083
Shelton Houston	University of Southern Mississippi	601-266-4895
Charles R. Evces	University of Alabama	205-348-6408
Charles W. Bray	University of Memphis	901-678-3258
Mike Ogle	Georgia Southern University	912-681-5129
Bob Magowan	University of Memphis	901-678-3296
S. Kant Vajpayee	University of Southern Mississippi	601-266-4727
Desmond Fletcher	University of Southern Mississippi	601-266-5185
George Mathis	University of Southern Mississippi	601-266-4894

Donald Cole, Vice Chairman, moderated the session. Robert Batson presented a paper and discussion followed.

The session concluded at 12:00 p.m.



Shelton Houston, Secretary

MINUTES

ADMINISTRATIVE UNIT OF THE SOUTHEASTERN SECTION  
AMERICAN SOCIETY FOR ENGINEERING EDUCATION  
APRIL 10, 1995

The annual business meeting of the Administrative Unit of the Southeastern Section of the American Society for Engineering Education was held after lunch on April 10, 1995 in the Crystal Ballroom of the Treasure Bay Resort Hotel in Biloxi, Mississippi. In attendance were:

Donald Cole	University of Louisville	502-852-1422
Robert Batson	University of Alabama	205-348-1609
Dennis Fallon	The Citadel	803-953-5083
Shelton Houston	University of Southern Mississippi	601-266-4895

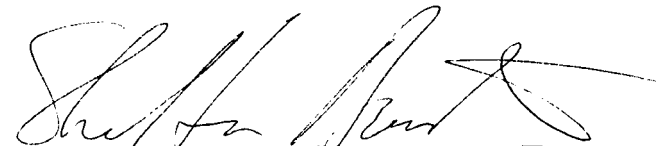
The meeting was called to order by the Vice Chairman, Donald Cole, at 12:45 p.m. Minutes for the 1994 meeting were not available.

A Call for Papers for the 1996 Annual Meeting was prepared and approved.

New officers were elected. Robert Batson was elected Vice Chairman to replace Dennis Fallon who was scheduled to move into that position. As President Elect, Dennis Fallon will be devoting his time to that office in 1995-96. Shelton Houston was elected secretary for 1995-96, completing the following offices in the Unit:

Chairman	Donald Cole
Vice Chairman	Robert Batson
Secretary	Shelton Houston

The meeting adjourned at 1:25 p.m.

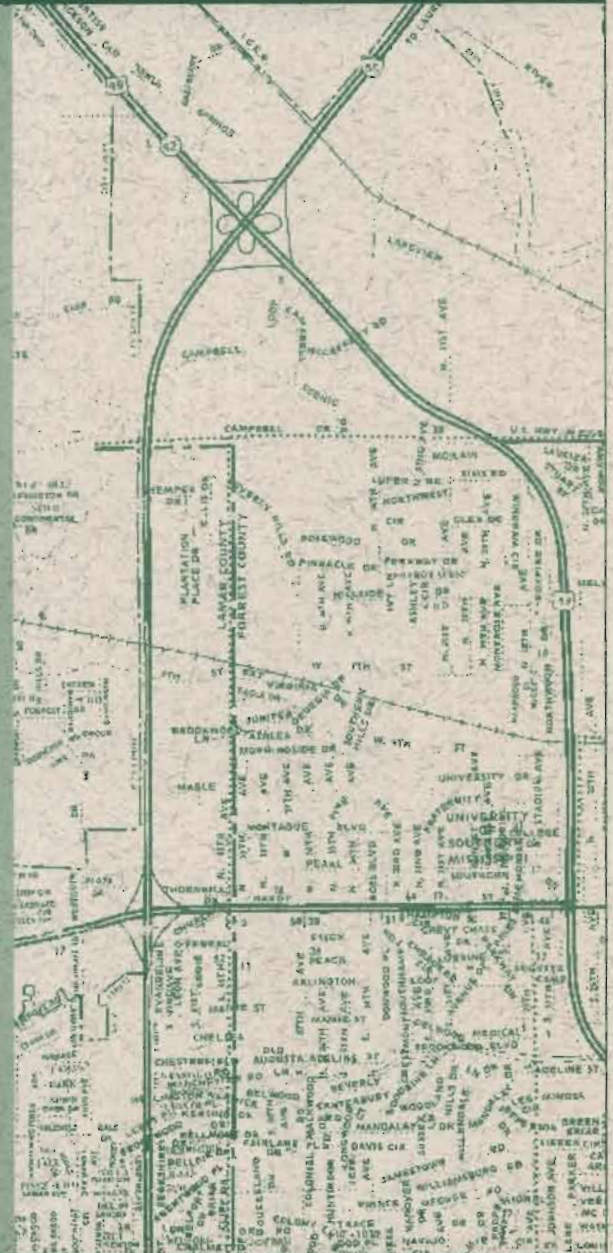
  
Shelton Houston, Secretary

# 1995 ASEE SOUTHEASTERN SECTION MEETING

*"The Information  
Highway  
to Engineering  
Education"*

April 9-11, 1995

Biloxi, Mississippi



CONFERENCE CO-SPONSORED BY:



THE UNIVERSITY OF SOUTHERN MISSISSIPPI



AMERICAN SOCIETY FOR ENGINEERING EDUCATION



***“The Information Highway  
to Engineering Education”***

**1995 AMERICAN SOCIETY FOR ENGINEERING EDUCATION  
SOUTHEASTERN SECTION MEETING  
Conference Schedule**

**Sunday, April 9**

- 1:00 pm - 5:00 pm REGISTRATION, *Treasure Bay Resort Hotel (2nd Floor)*
- 1:00 pm - 2:30 pm Problem Solving MATHCAD, *Parlor Room A*  
Instructor: Susan Magun-Jackson, The University of Memphis
- 3:00 pm - 4:30 pm Learning Styles Workshop, *Parlor Room B*  
Instructors: Dennis Fallon and Ken Brannan, The Citadel
- 4:40 pm - 6:30 pm Business Meeting, *Magnolia Room (2nd Floor)*
- 7:00 pm Welcome Reception, *Crystal Ballroom (9th Floor)*

**Monday, April 10**

- 6:00 am - 6:45 am Walk/Run on Beach (optional), *Meet at ASEE Registration Desk (2nd Floor)*
- 7:30 am - 10:00 am REGISTRATION, *2nd Floor ASEE Registration Table*
- 7:30 am - 6:00 am Vendor Exhibit Display, *2nd Floor Lobby*
- 7:30 am - 9:00 am General Breakfast, *Crystal Ballroom (9th Floor)*
- 9:00 am - 10:15 am Opening Session, *West Ballroom (2nd Floor)*  
\* Welcome  
\* Section President Welcome  
(Max L. Hailey, The University of Tennessee, Space Institution)  
\* Announcements  
\* Keynote Address (Mike Miller, South Central Bell)
- 10:15 am - 10:45 am Refreshment Break, *Promenade (2nd Floor)*
- 10:45 am - 12:00 noon Concurrent Technical Sessions  
◦ Administrative Unit Session, *Parlor Room A*  
◦ Instructional Unit Session I, *Parlor Room C*  
◦ Research Unit Session I, *Parlor Room B*
- 12:00 noon- 1:30 pm Luncheon, *Crystal Ballroom (9th Floor)*
- 1:00 pm - 1:30 pm Unit Business Meeting/Award Presentations, *Parlor Room A*

**1995 AMERICAN SOCIETY FOR ENGINEERING EDUCATION  
SOUTHEASTERN SECTION MEETING  
Conference Schedule**

**Monday April 10 - Continued**

- 1:30 pm - 3:00 pm Concurrent Technical Sessions  
◦ Instructional Unit Session II, *Parlor Room C*  
◦ Civil Engineering Session, *Parlor Room B*  
◦ Engineering Technology Session I, *Parlor Room A*
- 3:00 pm - 3:30 pm Refreshment Break, *Promenade (2nd Floor)*
- 3:30 pm - 5:00 pm Concurrent Technical Sessions  
◦ Instructional Unit Session III, *Parlor Room C*  
◦ Computer Engineering and Technology Session, *Parlor Room B*  
◦ Engineering Technology Session II, *Parlor Room A*
- 6:30 pm - 7:30 pm Reception, *Crystal Ballroom (9th Floor)*  
Sponsored by Ingalls, Gulfport, Mississippi
- 7:30 pm - 9:30 pm Awards Banquet, *Crystal Ballroom (9th Floor)*  
\* Entertainment provided by Randy Lindsey, DMA Candidate, Guitar Performance, School of Music, The University of Southern Mississippi

**Tuesday, April 11**

- 6:00 am - 6:45 am Walk/Run on Beach (optional), *Meet at ASEE Registration Desk (2nd Floor)*
- 7:30 am - 10:00 am REGISTRATION, *2nd Floor ASEE Registration Table*
- 7:30 am - 12:00 noon Vendor Exhibit Display, *2nd Floor Lobby*
- 7:30 am - 8:30 am Business Breakfast, *Crystal Ballroom (9th Floor)*
- 8:30 am - 10:00 am Concurrent Technical Sessions  
◦ Plenary Session, *Parlor Room C*  
◦ Graphics Division Session, *Parlor Room B*
- 10:00 am - 10:30 am Refreshment Break, *Promenade (2nd Floor)*
- 10:30 am - 12:00 noon Concurrent Technical Sessions  
◦ Instructional Unit Session IV, *Parlor Room A*  
◦ Mechanical Engineering Session, *Parlor Room B*  
◦ Research Unit Session II, *Parlor Room C*
- 12:00 noon Annual Business Luncheon, *Crystal Ballroom (9th Floor)*

# 1995 ASEE SOUTHEASTERN SECTION MEETING CONFERENCE TECHNICAL PROGRAM

Monday, April 10

10:45 am - 12:00 noon

## Administrative Unit Session

*Parlor Room A*

Moderator: Donald Cole  
University of Louisville

“Process-Oriented Methodologies for Enrollment Management”  
Robert Batson, The University of Alabama

## Instructional Unit Session I

*Parlor Room C*

Moderator: Susan Magun-Jackson  
The University of Memphis

“Spreadsheet and Simulator Use in a Sophomore Course in Chemical Engineering”  
Verle N. Schrodt, The University of Alabama

“Procrastination or Graduation: Mending the Senior Project”  
John W. Lipscomb, Jr., The University of Southern Mississippi

“Communicating Courseware by Means of an Electronic Forum”  
L. Dunlop, K. Briggs, The Citadel

## Research Unit Session I

*Parlor Room B*

Moderator: Ken Brannan  
The Citadel

“Example of Applied Research through Consulting: Parallel-Series Pumping”  
Thomas Dion, The Citadel

“Natural Gas for Transportation - A Field Demonstration”  
S. Bell, C. Midkiff, F. Newman, M. Davis, T. Adams, The University of Alabama

“Part Programming Software for CNC Machine Tools”  
Herman R. Leep, University of Louisville

**Instructional Unit Session II**

*Parlor Room C*

Moderator: Susan Magun-Jackson  
The University of Memphis

“Teaming in Mechanics of Materials”  
Beth A. Todd, The University of Alabama

“Searching/Writing/Presenting: Making the Most of Supplementary  
Library Materials in the Classroom”  
Michael K. Ogle, Georgia Southern University

An Approach to Teaching Engineering Core Courses”  
F. Mishu, D. Rogers, Tennessee State University

**Civil Engineering Session**

*Parlor Room B*

Moderator: curtis j. young, P. E.

“The Information Highway’s Present and Potential Impact on  
Teaching Undergraduate Civil Engineering Students”  
Thomas R. Dion, The Citadel

“Reintroducing Humanity to Structural Analysis and Design”  
David R. Haws, The University of Southern Mississippi

“Introducing Children to Civil Engineering with Super Saturdays Seminar”  
Gregory W. Mills, Western Kentucky University

**Engineering Technology Session I**

*Parlor Room A*

Moderator: Gary Johnsey  
The University of Southern Mississippi

“Using the Computer to Aid the Learning Process in Beginning  
Electrical Engineering Technology Courses”  
Walter W. Buchanan, University of Central Florida

“Balancing the Use of Computers at East Tennessee State University”  
N. Bungard, J. D. Hahs, East Tennessee State University

“Scientific Progress and Technological Illiteracy: Adapting Engineering Graphics  
to Meet the Needs of Printing Industry Technology Students”  
Caroline H. Beard, Georgia Southern University and The University of Georgia



3:30 pm - 5:00 pm

**Instructional Unit Session III**

*Parlor Room C*

Moderator: Neal F. Jackson  
Jackson State Community College

“The Five M’s of Student Oriented Teaching”  
Kenneth P. Brannan, The Citadel

“Scholastic Quality of Freshman Engineering Students”  
P.S. Yeh, Jacksonville State University

“Freshman Engineering Orientation Course for African American Students”  
J. P. Mohsen, University of Louisville

**Computer Engineering and Technology Session**

*Parlor Room B*

Moderator: Rhonda Hockelberg  
Alabama A&M University

“Custom VLSI Education on PC Platforms”  
K.S. Ali, J. R. Murphy, J. Sumrall, The University of Southern Mississippi

“The RADCSDI Algorithm Testbed: A Crunch-Mode Project”  
J. D. Marr, J. Watson, SPARTA, Inc.

“Development of a Remotely-Controlled Data Acquisition System  
for a Steam Turbine-Driven Air Compressor Demonstration Project”  
Ambrose Barry, University of North Carolina-Charlotte

**Engineering Technology Session II**

*Parlor Room A*

Moderator: Gary Johnsey  
The University of Southern Mississippi

“Engineering Technology in the Next Century: An Integrated Curriculum Approach”  
Robert E. Magowan, The University of Memphis

“Engineering Technology Education - Fall Semester 1995 via the  
North Carolina Information Highway”  
Robert B. Lollar, University of North Carolina-Charlotte

“Improving ‘Hands-On’ Engineering Technology Laboratories through  
the Technology Reinvestment Project”  
E. Bernstein, A. Bond, A. Terrill, Alabama A&M University

Tuesday, April 11

8:30 am - 10:00 am

**Plenary Session**  
***"Engineering Entrepreneurship"***  
*Parlor Room C*

Moderator: Max Hailey  
The University of Tennessee, Space Institute

**Panel Members**

Dan Morrison, Executive Director  
Mississippi Enterprise for Technology

Robert K. Schlatzer, Director  
Mississippi Polymer Institute

Sylvester Scott  
Martin Marietta  
Oak Ridge, Tennessee

Margaret Taylor  
Martin Marietta  
Oak Ridge, Tennessee

**Graphics Division Session**  
*Parlor Room A*

Moderator: John Freeman  
North Caroline State University

"Students Teaching Students: Solving an Equipment Problem"  
Kenneth Cremer, The University of Memphis

"From Design to Manufacturing of New Products: A Proposed Course  
Based on an Original Concept"  
M. Rajai, R. Matthews, University of Louisville

"Tool Path Verification Using Computer Graphics"  
A. Leybourne, K. Ali, The University of Southern Mississippi

10:30 am - 12:00 noon

**Instructional Unit Session IV**

*Parlor Room C*

Moderator: Susan Magun-Jackson  
The University of Memphis

“Professional Engineers in Education”  
James D. Marr, SPARTA, Inc.

“Distance Education: Is It Right for Engineering?”  
Richard O. Mines, Jr., University of South Florida

“An Assessment of Higher Education’s Preparedness of Students  
for the Workforce - One Student’s Critique”  
T. Childress, J. Myers, The University of Southern Mississippi

“Written Assessment - Eliminating the Subjectivity of Partial Credit”  
Russell Stout, The Citadel

**Mechanical Engineering Session**

*Parlor Room B*

Moderator: Clark Midkiff  
The University of Alabama

“Integration of Computer Algebra Systems into the  
Mechanical Engineering Curriculum”  
Robert E. Spall, University of South Alabama

“Experiences with a Curriculum with Balanced Design Content in All Stems”  
B. K. Hodge, W. G. Steele, Mississippi State University

“Mechanical Engineering Education in the Former Soviet States”  
R. Crane, University of South Florida  
V. Marchenkov, Tallinn Technical University

**Research Unit Session II**

*Parlor Room A*

Moderator: Dennis Fallon  
The Citadel

“Node Package Configuration When Attached to Hex-Close-Packed Struts  
Used for Robotic Assembly of Structures in Space”  
W. V. Brewer, Jackson State University

“A Numerical Integration Algorithm for Reliability Assessment in Redundant Networks”  
Howard Stern, The University of Alabama

“Development of a Macro-Micro Fabrication Lab”  
Kevin Walsh, University of Louisville



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