MINUTES

ADMINISTRATIVE UNIT OF THE SOUTHEASTERN SECTION AMERICAN SOCIETY FOR ENGINEERING EDUCATION APRIL 15, 1996

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 15, 1996 in the Mountain View C of the Park Vista Resort Hotel in Gatlinburg, Tennessee. In attendance were:

Donald Cole	University of Louisville	502-852-1422
Robert Batson	University of Alabama	205-348-1609
Shelton Houston	University of Southern Mississippi	601-266-4895
Steve Cheshier	Southern College of Technology	770-528-7230
Anthony Tilmans	Southern College of Technology	770-528-7234
Hal Schmitt	University of Tennessee Knoxville	423-974-0286
J.P. Mohsen	University of Louisville	502-852-6276

The meeting was called to order by the Chairman, Donald Cole, at 12:30 p.m. The minutes of the 1995 meeting were read by the secretary, Shelton Houston and approved.

A Call for Papers for the 1997 Annual Meeting was prepared and approved. Several topics were discussed for the theme of the conference. A possible plenary session was also approved.

Anthony Tilmans was elected secretary for 1996-97, completing the following offices in the Unit:

Chairman Vice Chairman Secretary Robert Batson Shelton Houston Anthony Tilmans

The meeting adjourned at 1:10 p.m.

Shelton Houston, Secretary

MINUTES

ADMINISTRATIVE UNIT SESSION I SOUTHEASTERN SECTION AMERICAN SOCIETY FOR ENGINEERING EDUCATION APRIL 15, 1996

The Administrative Unit Session I of the Southeastern Section of the American Society for Engineering Education was held at 10:30 a.m. on April 15, 1996 in Garden View D of the Park Vista Resort Hotel in Gatlinburg, Tennessee.

The attendees were:

Donald Cole	University of Louisville	502-852-4672
Shelton Houston	University of Southern Mississippi	601-266-4896
Robert Batson	University of Alabama	205-348-1609
Hal Aikens	University of Tennessee	423-974-3333
Samuel S. Lee	University of Miami	305-284-2408
Keith V. Johnson	East Tennessee State University	423-929-4464
Britt K. Pearce	Southern College of Technology	770-528-7274
Steve Cheshier	Southern College of Technology	770-528-7230
James Marr	SPARTA, Inc.	205-837-5282, x2214
Lawrence Dunlop	The Citadel	803-953-5241
Ed Bernstein	Alabama A&M University	205-851-5581
Stanley Ihenkweazu	South Carolina State University	803-536-7117
Paul Devgan	Tennessee State University	615-963-5362

Donald Cole, Chairman, moderated the session. Robert Batson, James Marr, and Keith Johnson presented papers and discussion followed.

The session concluded at 12:00 p.m.

Shelton Houston, Secretary

MINUTES

ADMINISTRATIVE UNIT SESSION II SOUTHEASTERN SECTION AMERICAN SOCIETY FOR ENGINEERING EDUCATION APRIL 15, 1996

The Administrative Unit Session II of the Southeastern Section of the American Society for Engineering Education was held at 1:45 p.m. on April 15, 1996 in Garden View C of the Park Vista Resort Hotel in Gatlinburg, Tennessee.

The attendees were:

Shelton Houston University of Southern Mississippi

Donald Cole University of Louisville

Mark McGinley North Carolina A&T State University
Gary Johnsey University of Southern Mississippi
Stanley Ihenkweazu South Carolina State University

J. M. Bulter Middle Georgia College

William Q. Gurley University of Tennessee @ Chattanooga

Paul Chinowsky Georgia Tech Robin Goodman Georgia Tech

Verle Schrodt University of Alabama

Michael Gregg Virginia Tech

Fred Gilliam University of Tennessee

Lawrence Dunlop The Citadel

Hal Schmitt University of Tennessee

Dennis Fallon The Citadel

Tony Scott University of Tennessee

Britt Pearce Southern College of Technology

Edwin Foster University of Tennessee @ Chattanooga Ken Murray North Carolina A&T State University

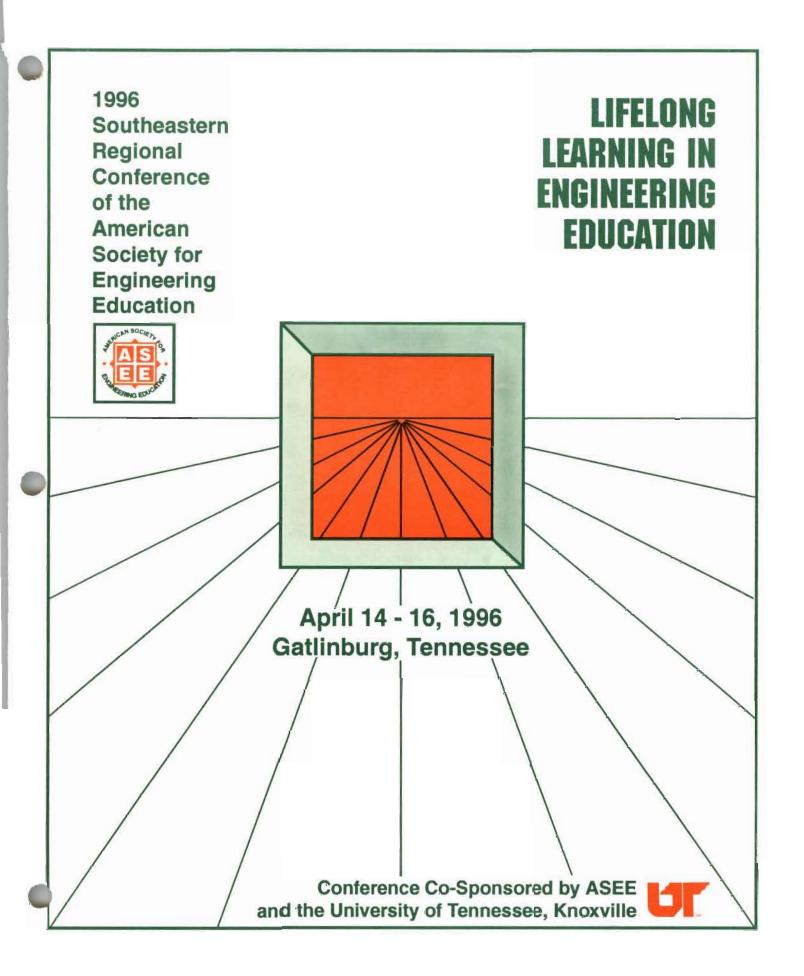
Samuel S. Lee University of Miami
John Page Virginia Military Institute
Dan Koch University of Tennessee

Max Hailey University of Tennessee Space Institute

Donald Cole, Chairman, moderated the session. Hal Schmitt, Michael Gregg, and Tony Scott presented papers and discussion followed.

The session concluded at 3:15 p.m.

Shelton Houston, Secretary



1996 ASEE SOUTHEASTERN SECTION MEETING Gatlinburg, TN

April 14 - 16, 1996

LIFELONG LEARNING IN ENGINEERING EDUCATION

Section President: Stuart R. Bell, University of Alabama

Technical Program Co-Chairs: R. A. Chin, East Carolina University

J. P. Mohsen, University of Louisville

The University of Tennessee

Chancellor: William T. Snyder

Vice Chancellor for Academic Affairs: John Peters

Dean of Engineering: Jerry E. Stoneking

Local Committee: H. W. Schmitt, Chairman

A. J. Edmondson W. N. Odom F. D. Tompkins

Conference Assistants: Susan Hall, Coordinator

Donna Bodenheimer

Linda Chatham Karen Howe

"Lifelong Learning in Engineering Education"

1996 American Society For Engineering Education Southeastern Section Meeting Conference Schedule

Sunday, April 14

12:00 pm -	6:00 pm	REGISTRATION, Pre-Function Ballroom	
1:00 pm -	3:00 pm	Teaching Portfolios Workshop, Garden View A	
3:00 pm -	5:00 pm	Experiment Design Workshop, Garden View B	
3:00 pm -	5:00 pm	Learning Styles Workshop, Garden View C	
5:00 pm -	6:30 pm	Board Meeting, Vista Board Room	
	6:30 pm	Reception, Pool Side	
		Monday, April 15	
6:00 am -	6:45 am	5K Walk/Run (optional), Meet at ASEE Registration Desk	
7:00 am -	10:30 am	REGISTRATION, Pre-Function Ballroom	
7:00 am -	8:30 am	General Breakfast and Authors Briefing, Ballroom 3	
8:30 am -	10:15 am	Opening Session, Ballroom 4 * Section President's Welcome (Dr. Stuart R. Bell, The University of Alabama) * Announcements * Keynote Addresses * Dr. William T. Snyder, Chancellor, The University of Tennessee Changes Facing Higher Education * Dr. Frank L. Huband, Executive Director, The American Society for Engineering Education ASEE and Engineering Education in the Twenty-First Century	
10:15 am -	10:30 am	Refreshment Break, Lower Lobby	
10:30 am -12	2:00 noon	* Civil Engineering Division, Garden View A * Instructional Unit, Garden View B * Mechanical Engineering Division, Garden View C * Administrative Unit, Garden View D * Electrical Engineering Division, Garden View E	
12:00 pm -	1:30 pm	Luncheon, Awards Presentations/Administrative Unit Business Meeting, Lower Lobby * Instructional Unit Business Meeting and Best Instructional Paper Presentation, Ballroom 4 * Research Unit Business Meeting and Best Research Paper Presenta-	

1:30 pm - 1:45 pm Break

* Administrative Unit Business Meeting, Mountain View C

tion, Mountain View B

1:45 pm -	3:15 pm	* Industrial Engineering Division, Garden View A * Research Unit, Garden View B * Administrative Unit, Garden View C * Instructional Unit, Garden View D	
3:15 pm -	3:30 pm	Break, Lower Lobby	
3:30 pm -	5:00 pm	Technical Session III * Civil Engineering Division, Garden View A * Instructional Unit, Garden View B * Mechanical Engineering Division, Garden View C * Electrical Engineering Division, Garden View D * Engineering Design Graphics Division, Garden View E	
6:30 pm -	7:30 pm	Reception, Lower Lobby	
7:30 pm -	8:30 pm 8:30 pm	Awards Banquet, Ballrooms 3 & 4 Entertainment provided by The University of Tennessee Singers	
		Tuesday, April 16	
6:00 am -	6:45 am	5K Walk/Run (optional), Meet at ASEE Registration Desk	
7:00 am -	10:30 am	REGISTRATION, Pre-Function Ballroom	
7:00 am -	8:30 am	Business Breakfast, Ballroom 3	
8:30 am -	10:15 am	Conference Panel Discussion, Ballroom 4 Continuing Education Requirements for Professional Registration and Membership in Professional Societies * Curtis J. Young, Consulting Engineer (Chair) Panel Members * David Bayer, University of North Carolina, Charlotte * Earnest B. Rogers, SC Board of Registration for Engineers Land Survey Surveyors	
10:15 am -	10:30 am	Break, Lower Lobby	
10:30 am -12	* Civil Engineering Division, Garden View A * Instructional Unit, Garden View B * Mechanical Engineering Division, Garden View C * Computer Engineering and Technology Division, Garden View E * Engineering Technology Division, Garden View E		
12:00 pm -	1:30 pm	Annual Business Luncheon, Ballroom 3	

1996 ASEE SOUTHEASTERN SECTION MEETING CONFERENCE TECHNICAL PROGRAM

Monday, April 15 10:30 am -12:00 noon

Technical Session I

Civil Engineering Division

Garden View A

Chair: Richard Mines, University of South Florida

Cooperative Solutions to Lifelong Civil Engineering Education Paul S. Chinowsky, Nelson C. Baker Georgia Institute of Technology

Parks, Playgrounds, and Penalty Tours:
Project Management for the Senior Civil Engineering Student
John E. Riester, Jr.
Virginia Military Institute

Improving Student Performance in Structural Analysis Using Active Learning
Kenneth H. Murray, W. Mark McGinley
North Carolina A&T State University

Instructional Unit

Garden View B

Chair: Constantine A Ciesielski, East Carolina University

The Construction of a Classroom Multimedia Computer Podium and Its Uses
Verle N. Schrodt
University of Alabama

Re-Engineering the Civil Engineering Classroom James K. Nelson, Dennis J. Fallon, Russell H. Brown Clemson University/The Citadel/Clemson University

Multimedia In Electrical Engineering & Technology, and Chemistry Education B. J. Das, Nancy Grim, Walter Buchanan West Virginia University/University of Miami/Middle Tennessee State University

The Role of the Computer in Freshman Engineering Courses at Virginia Tech Michael H. Gregg Virginia Polytechnic Institute and State University

Mechanical Engineering Division

Garden View C

Chair: B. K. Hodge, Mississippi State University

Emphasizing Commercial Product Development in the Mechanical Engineering
Capstone Design Course
Frank H. Speckhart, Clement C. Wilson
University of Tennessee

Competitive Design Projects at The University of Alabama Joey Parker, Steve Kavanaugh University of Alabama

A New Capstone Course in Undergraduate Solid Mechanics Chris Wilson, Madhu Madhukar, Chris Pionke University of Tennessee

Administrative Unit

Garden View D

Chair: Donald L. Cole, University of Louisville

A Successful Process for Preparation of a Departmental ABET Self-Study
R. G. Batson
University of Alabama

Twenty Years After the Plea J. D. Marr SPARTA, Inc.

Student in the University: A Hopeful Attempt At Successful Retention
K. V. Johnson
East Tennessee State University

Electrical Engineering Division

Garden View E

Chair: Rhonda Hockelberg, Alabama A&M University

Demand Priority Scheduling for Dynamic Channel Allocation Ali Elahi Alabama A&M University

QNS: A Queing Network Simulator for Educational Environments Mohamed Y el-Refai, Adel S. Elmghraby University of Louisville

Some Early Thoughts on a Time Domain Approach to Transients George E. O'Conner, Jr. Lipscomb University

Technical Session II

Industrial Engineering Division

Garden View A
Chair: Bob Batson, University of Alabama

Applying BPR to the IE Educational Process
Denise Ford Jackson
University of Tennessee
The ISO STEP Initiative: Data Exchange beyond IGES
Donald B. Sanderson
East Tennessee State University

The MENSA Changes--One Member's View James Marr SPARTA, Inc.

Research Unit

Garden View B
Chair: Kevin M. Walsh, University of Louisville

The Alabama Alternative Fuels Program - A Joint Research/Education Experience K. Clark Midkiff, Stuart R. Bell, Frank Newman, Terri Adams University of Alabama/Alabama Department of Economic and Community Affairs

Undergraduate Research: A Useful and Growing Trend J. P. Mohsen, Cheryl Hoskins University of Louisville

The Teaching of Failure Analysis and Accident Reconstruction to Graduate Students
Alan A. Johnson
University of Louisville

An Economical Technique for Fabricating Single-Layer Microstructures Using Photolithography K. M. Walsh, W. K. Pitts, N. W. Jenkins, K. P. Browne, M. Martin, K. Solberg University of Louisville/Indiana University Cyclotron Facility

Administrative Unit

Garden View C
Chair: Donald L. Cole, University of Louisville

Strategic Planning in a College of Engineering
H. W. Schmitt, J. E. Stoneking
University of Tennessee

Student Retention Strategies; Clustering--Preliminary Observations M. H. Gregg, D. Hirschfeld, B. Watford Virginia Polytechnic Institute and State University

Utilization of the Myers-Briggs Type Indicator by a Freshman Engineering Advising Center
T. H. Scott, J. C. Scott
University of Tennessee

Instructional Unit

Garden View D

Chair: Constantine A. Ciesielski, East Carolina University

Win - Win Partnerships Between Business and Higher Education: A Framework for Implementation
Andrew Czuchry, Wayne Andrews, Ray Feagins
East Tennessee State University/Sprint Mid-Atlantic

Distance Education: A Comparison Between On-Campus and Off-Campus Student
Evaluations of Faculty
Richard O. Mines, Jr.
University of South Florida

A Calculus Retention Program for Students at Risk in Engineering Carol A. O'Conner, Thomas L. Holloman, Brenda Hart University of Louisville

Scholastic Quality of Freshman Engineering Technology Students
P. S. Yeh
Jacksonville State University

3:30 pm -5:00 pm

Technical Session III

Civil Engineering Division

Garden View A

Chair: John E. Riester, Jr., Virginia Military Institute

Exploring Interactive Multimedia as an Instructional Method of Choice to Assist
Learning Disabled Students in Civil Engineering
Michael H. Woo
The Citadel

Software for Hardheads: Computing Tools for the Undergraduate Civil Engineer
Peter W. Hoadley, John H. Page
Virginia Military Institute

Use of a "Corporation Approach" in the Conduct of Civil Engineering Laboratory Courses Thomas J. Anessi The Citadel

Instructional Unit

Garden View B

Chair: Constantine A Ciesielski, East Carolina University

Using a Computer Algebra System to Enhance Learning Via Communication M. J. Maron, P. A. S. Ralston, L. D. Tyler
University of Louisville

Puntos: A Cross-Disciplinary Initiative for Motivating Students to Self-Directed Learning
Kenneth P. Brannan, Brant B. Staley
The Citadel

Educating Engineering Students with Learning Disabilities Russell H. Stout, Jr., Kenneth P. Brannan, Dennis J. Fallon The Citadel

Design Experience in a Freshman Introductory Engineering Course Ida McClain, Chinyere Onwubiko Tennessee State University

Mechanical Engineering Division

Garden View C
Chair: Gregory Ferguson, University of Alabama

Implementation of Design Optimization in Undergraduate Mechanical Engineering Curriculum
Chinyere Onwubiko
Tennessee State University

FEM Brought to the Academic Engineering Desktop M. B. Taylor, C. D. Pionke, B. Luttrell, A. J. Baker University of Tennessee

Engineering Curriculum Reform: A Successful Experience at Tuskegee University
H. A. Aglan, M. Sief, S. Ali, K. Borah
Tuskegee University

Factors for Change in Mechanical Engineering Education B. K. Hodge, R. P. Taylor Mississippi State University

Electrical Engineering Division

Garden View D
Chair: Rhonda Hockelberg, Alabama A&M University

Using a Spreadsheet to Solve RL and RC Electrical Circuits Problems
William R. Conrad, Richard E. Pfile
Indiana University/Purdue University Indianapolis

Concentration in Computers Under a BSEE Program
Satinderpaul Singh Devgan
Tennessee State University

A Relational Data Base Implementation Approach to Function and State Reduction Ali Elahi Alabama A&M University

Engineering Design Graphics Division

Garden View E
Chair: Michael H. Gregg, Virginia Polytechnic Institute

Introducing Parametric Design into an Already Crowded Mechanical Engineering Technology
Curriculum
Allen Leybourne
University of Southern Mississippi

The Role of Multimedia Technology in Engineering Design Graphics Education Robert A. Chin, Amy R. Frank East Carolina University

Tuesday, April 16 10:30 am -12:00 noon

Technical Session IV

Civil Engineering Division

Garden View A
Chair: Michael H. Woo, The Citadel

Lifelong Learning in Civil Engineering Thomas R. Dion The Citadel

Monte Carlo Analysis of Linked Highway Intersections Using Mathcad John A. Murden, Troy Long The Citadel

The Value of a Pre-Capstone Undergraduate Civil Engineering Design Experience
Thomas R. Dion
The Citadel

Instructional Unit

Garden View B
Chair: J. P. Mohsen, University of Louisville

Problem Solving and Design in the Freshman Year: The Foundation Coalition Joey Parker, Jim Richardson, David Cordes University of Alabama

> Multimedia in Engineering Technology Seyed A. Hosseini, Asad Yousuf Savannah Technical Institute

Communications In Construction Management - Conducting an Effective Meeting
Constantine A. Ciesielski
East Carolina University

Mechanical Engineering Division

Garden View C
Chair: B. K. Hodge, Mississippi State University

Teaming and Long Distance Learning--A Subjective Look at If They Work
Gregory L. Ferguson
University of Alabama

Computer Network Application of Multimedia Instructional Modules for Introductory Thermodynamics
Geoffrey Cobourn, George C. Lindauer
University of Louisville

Career Patterns of Mississippi State ME Graduates B. K. Hodge, W. G. Steele Mississippi State University

Computer Engineering and Technology Division

Garden View D

Chair: Gary Johnsey, University of Southern Mississippi

Interactive Network Tools for Collaborative Learning
Daniel B. Koch
University of Tennessee

A Z-Transform Model to Predict Network Response Time John H. Darnell Western Kentucky University

Design and Evolution of a Software Reverse Engineering Tool James D. Marr, Joe Oswalt, Catherine Burns, Stacy Shaddix, Dana Bennett SPARTA, Inc.

Instructional Use of the Internet in the School of Engineering at Christian Brothers University
Eric Welch, Mark Driver
Christian Brothers University

Engineering Technology Division

Garden View E

Chair: Jimmy Dean Hahs, East Tennessee State University

Society and Technology: A Quantitative Approach Robert L. Drake University of Tennessee at Martin

Value Packed Student Spreadsheet Learning Experiences Charles R. Thomas, Vernon S. Hillsman Purdue University

Is There Value in Engineering Technology?

David R. Haws

University of Southern Mississippi

Technology Management: A +2 Program at Kansas State University at Salina, Kansas Jim Keating Kansas State University





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