

# **Southeastern Association of Electrical and Computer Engineering Department Heads (SECEDHA)**

**Annual Meeting  
November 5-6<sup>th</sup>, 2015  
Georgia Tech Hotel and Conference Center  
Atlanta, Georgia**

**Thursday, November 5<sup>th</sup>**

(Registration: 5-6pm, next to Conference Break Area, second floor; see the map)

<b>Time</b>	<b>Activity</b>	<b>Location/ Lead</b>
5:30pm	Reception	Conference Break Area
6:00-6:40	Dinner	Conference Two, second floor
6:40-8:00	Featured Speech: ASU Online delivery of an ABET accredited BSEE program	Steve Phillips
8:00-8:30	SCEEE Annual Meeting	Larry Holloway Satinderpaul Devgan
8:30-8:50	SCEEE Board of Directors meeting	Satinderpaul Devgan

## **Biography of Guest Speaker:**

**Stephen Phillips** currently serves as Professor of Electrical Engineering and Director of the School of Electrical, Computer and Energy Engineering. Phillips received the BS degree in electrical engineering from Cornell University in 1984 and the MS and PhD degrees in electrical engineering from Stanford University in 1985 and 1988, respectively. From 1988 to 2002 he served on the faculty of Case Western Reserve University where he held appointments in the Departments of Electrical Engineering and Applied Physics; Systems, Control and Industrial Engineering; and subsequently Electrical Engineering and Computer Science. From 1995 to 2002 he also served as director of the Center for Automation and Intelligent System Research. In 2002 he joined the faculty of Arizona State University. He has held visiting positions at the NASA Lewis (now Glenn) Research Center and at the University of Washington and is a Professional Engineer registered in the state of Ohio.

# **Southeastern Association of Electrical and Computer Engineering Department Heads (SECEDHA)**

**Friday, November 6<sup>th</sup>**

(Meeting location: Conference B, second floor)

<b>Time</b>	<b>Activity</b>	<b>Lead</b>
7:30-8:00am	Continental Breakfast	
8:00-8:45	Session I: ECE Branding	McLaughlin
8:45-9:20	Session II: “Combining MOOCs and Hands-On Learning for Flipped Classroom Instruction”	Ferri
9:20-10:45	Session III: “Online MS degree program”	Isbell
10:45-11:10	Break	
11:10-12:00	Roundtable topics:	Haskew
12:00-12:45	Lunch, <i>Conference Dining Room</i>	
12:45-1:45	ABET Feedback from Visited Programs	Haskew
1:45-2:30	SECEDHA Business Meeting/Survey	
2:30	Adjourn	

# Southeastern Association of Electrical and Computer Engineering Department Heads (SECEDHA)

## Biography of Guest Speakers:

“Combining MOOCs and Hands-On Learning for Flipped Classroom Instruction”

**Bonnie H. Ferri** is a Professor and the Associate Chair in the School of Electrical and Computer Engineering at the Georgia Institute of Technology. She received the B.S degree in electrical engineering from the University of Notre Dame in 1981, the M.S. degree in mechanical and aerospace engineering from Princeton University in 1984, and the Ph.D. degree in electrical engineering from Georgia Tech in 1988. Before joined the faculty of Georgia Tech in 1988, she worked for Honeywell Inc. as an engineer. She is very active in the recruitment and retention of women in engineering, including middle school, high school, undergraduate, and graduate level activities. Dr. Ferri served on IEEE CSS Board of Governors, was the program chair for the American Control Conference, and chair of the Control System Society Technical Committee on Education. She has been an associate technical editor for the *IEEE Transactions on Education* and for the *IEEE Control Systems Magazine*. Dr. Ferri is a recipient of Harriet B. Rigas Award from the IEEE Education Society, Outstanding Teacher Award from Eta Kappa Nu, and Presidential Young Investigator Award from NSF.

“Online MS degree program”

**Charles L. Isbell, Jr.** is a Professor in the School of Interactive Computing and the Senior Associate Dean in the College of Computing at the Georgia Institute of Technology. He received the B.S. degree in Computer Science from Georgia Institute of Technology in 1990 and the Ph.D. degree in Computer Science from Massachusetts Institute of Technology in 1998. Dr. Isbell's research passion is artificial intelligence. In particular, he focuses on applying statistical machine learning to building autonomous agents that must live and interact with large numbers of other intelligent agents, some of whom may be human. Lately, Dr. Isbell has turned his energies toward adaptive modeling, especially activity discovery (as distinct from activity recognition); scalable coordination; and development environments that support the rapid prototyping of adaptive agents. As a result, he has begun developing adaptive programming languages, worrying about issues of software engineering, and trying to understand what it means to bring machine learning tools to non-expert authors, designers, and developers.

Appendix:

- website of SECEDHA:

<http://secedha.ece.ufl.edu/>

Contact: Ms. Laurie Edvardsson <laurie@ece.ufl.edu>

- agendas and minutes of past annual regional meetings:

<http://secedha.ece.ufl.edu/meetings.html>

- minutes of the regional meeting at 2015 ECEDHA conference

attached

# **Southeastern Association of Electrical and Computer Engineering Department Heads (SECEDHA)**

## **Minutes of 2015 SECEDHA Meeting**

### **Evening Session**

Presentation attached

### **Session I**

Presentation attached

### **Session II**

Presentation attached

### **Session III**

Presentation attached

### **Roundtable Session**

Tim: Feel better asking the questions in this group than with the Dean or others.

#### ODU: Programming discussion

- Intro to programming for all and then break out into specialities. Their ME program is pushing for Matlab as the basis instead of C, C++.
- UF: still teaching C++-type course and ME teaches Matlab.
- Clemson: same as UF.
- Lots of conversation around the various versions and who teaches intro to programming - CS, ECE , and Matlab vs. C++.

#### Semester credit hours

- how important is SCH generated by the dept?
- Graduate vs. undergraduate, number of hours.
- Various approaches to how SCH are counted and how much motivation/emphasis is placed on SCH.

#### How do you evaluate faculty?

- Some deans are introducing formulaic metrics.
- John described his approach based on what their dean needs.

# Southeastern Association of Electrical and Computer Engineering Department Heads (SECEDHA)

## How are people's first two years organized?

- Are there *differences between math required* between EE and CmpE?

## General discussion

- Larry: Should we start sharing pieces of online content between schools?
- Steve Philips: Work with others to develop Powerpoint content.
- John: We purchase textbooks across institutions, why not share videos across?
- Dan Stancil: Deep understanding is essential - no way to get it other than careful preparation of the lecture.
- John: In class experience is just as important.
- Zhihua: There is a course-sharing agreement between 80 universities sharing in grid-related topics. This is a big job that is currently underway.
- Sankar: Florida virtual campus - - many courses online that can be counted. UNC system has a similar system.

The meeting was reconvened at 1pm.

## **ABET Session**

- 3 schools completed ABET visits and briefed on their experiences.
- 2 schools to be visited asked a few questions.
- Q&A followed.

## **Business Meeting**

- The annual survey was conducted.

## Operation of SECEDHA was discussed

- Website is maintained by the University of Florida - thanks to John Harris for his help.
- Presentation materials are on the web page.
- Election of next secretary was discussed, roles of Officers of ECDHA was discussed.
  - New secretary/treasury will take effect in the Spring meeting
  - Nominations for the Treasurer -
    - Steve McL nominated Tom Weller and Tom agreed to be nominated.
    - John Harris self-nominated and indicated that he would be willing to serve.
    - Nominations were closed - proposed and seconded.
    - The election was held and John Harris was elected.
- Steve McLaughlin asked how many people were planning to attend the Jan 2016 workshop and nearly 75% expected that they would attend.

# **Southeastern Association of Electrical and Computer Engineering Department Heads (SECEDHA)**

- Zhihua solicited other last comments and questions.
  - John Kelly mentioned about the cost of the ECDHA annual meeting. The concern or question was that the complete cost of the meeting continues to increase and we may be reaching the point of being cost prohibitive.
    - Feedback will be given to Khalil and Athina about the possible cost considerations.
    - Zhihua will talk with John Janowiak about whether there are any cost-saving measures that can be taken and to raise awareness about the creep up in cost.
    - Steve Philips confirmed that he would bring it up with the board.
- The meeting was closed at 2:30pm.

# Southeastern Association of Electrical and Computer Engineering Department Heads (SECEDHA)

## List of Attendees

Auburn University	Mark Nelms
Clemson University	Daniel Noneaker
Embry-Riddle Aeronautical University	Timothy Wilson
Florida Atlantic University	Nurgun Erdol
Florida International University	Shekhar Bhansali
George Mason University	Monson (Monty) Hayes
Georgia Institute of Technology	Steven McLaughlin
Liberty University	Carl Pettiford
Louisiana State University	Jerry Trahan
Mississippi State University	Nicholas Younan
North Carolina A&T State University	John C. Kelly, Jr
North Carolina State University	Daniel D. Stancil
Old Dominion University (ECE)	Khan M. Iftexharuddin
Old Dominion University (Modeling, Simulation & Visualization Engineering)	Rick McKenzie
Tennessee State University	Satinderpaul S. Devgan
The Citadel - The Military College of South Carolina	Bob Barsanti
University of Alabama	Tim Haskew
University of Central Florida	Zhihua Qu
University of Florida	John Harris
University of Kentucky	Larry Holloway
University of North Carolina – Charlotte	Asis Nasipuri
University of North Florida	Murat Tiryakioglu
University of South Carolina	Roger Dugal
University of South Florida	Thomas Weller
University of Tennessee-Knoxville	Leon Tolbert
University of Tennessee – Chattanooga	Ahmed Eltom
Virginia Polytechnic Institute and State University	Luke Lester