## CCSC South Central Conference 2019 Schedule

**Friday, April 5, 2019**

**Location:** University of Texas at Dallas, Texas

Erik Jonsson School of Engineering and Computer Science Building
800 W. Campbell Road, Richardson, Texas 75080

### Turnitin-Gradescope (12:20 – 12:50 p.m.) – Location TBA

Alynda Armstrong, Account Executive

### Registration (11:00 a.m. – 4:00 p.m.)

**Location:** TBA

### Opening Session (1:00 – 1:50 p.m.)

**Location:** TBA

### Concurrent Session 1 (2:00 – 3:00 p.m.)

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<th>Room: TBA</th>
<th>Professional Paper Session</th>
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| 2:00      | Analyzing the Impact of Experiential Pedagogy in Teaching Socio-Cybersecurity: Cybersecurity Across the Curriculum | Carlene Turner, Norfolk State University  
Claude Turner, Norfolk State University |
| 2:30      | Crime in the 21st Century: A Co-Teaching Experience | Bilal Shebaro, St. Edward’s University  
Casie Parish Fisher, St. Edward’s University |

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<th>Room: TBA</th>
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| 2:00      | A Study of Evolutionary Algorithms for the Degree-Constrained Minimum Spanning Tree Problem | Anthony Bloch, St. Cloud State University  
Rob Owens, St. Cloud University |
| 2:30      | Selection of WSNs Inter-Cluster Boundary Nodes Using PSO Algorithm | Mamta Yadav, Texas A&M University-Corpus Christi  
Alaa Sheta, Texas A&M University-Corpus Christi |

### Tutorial Session (Moderator: TBA)

**Preparing for the New ABET-CAC Computing and Cybersecurity Criteria**

Tim McGuire, Texas A & M University  
Rob Byrd, Abilene Christian University, Deborah Dunn, Stephen F. Austin State University

Multiple ABET Commissions are modifying their criteria in significant ways. With input from the computing community, ABET’s Computing Accreditation Commission has updated the Criteria for Accrediting Computing Programs to reduce the assessment burden and take into account the CS2013 curricular guidelines. These revised criteria will be fully effective for site visits from 2019 onwards. Thus, programs must plan for these changes, especially how they affect both curriculum and assessment. Additionally, criteria for Cybersecurity programs are now the final stages of approval. What do these changes mean for your computing program(s)?

This panel session is an effort to inform computing faculty the recent changes made to the criteria and how these changes may potentially impact current assessment processes and curriculum implementations. The panelists are ABET Commissioners and they will provide an overview of the changes and their rationale. Together they will engage the audience in discussions, allowing time for interaction and clarifying questions.

### Break with Refreshments (3:00 – 3:15 p.m.) – Location: TBA
# CCSC South Central Conference 2019 Schedule
## Friday, April 5 (continued)
### Concurrent Session 2 (3:15 - 4:15 p.m.)

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#### 2:00 Handwritten Digits Recognition Using Convolution Neural Networks
Alaa Sheta, Texas A&M University-Corpus Christi

#### 2:30 A Case Study On The Dialect Identification Of Twitter Tweets Using Natural Language Processing And Machine Learning
Kari Djuve, Southeastern Louisiana University
John Burris, Southeastern Louisiana University

#### 2:00 A Course Module On HTML5 New Features And Security Concerns
Xiaohong Yuan, North Carolina A&T State University
Mounika Mounika, North Carolina A&T State University
Macey Morgan, North Carolina A&T State University

#### 2:30 A System to Support a Test-Centric Mindset in Early Programming Courses
Michael Kart, St. Edward's University

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<td><strong>Panel Session</strong></td>
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#### CyberReady Stl. Curriculum: Tutorial, Best Practices, and Results from Initial Deployment
Paul Gross, Steve Coxon, Dustin Nadler, Chris Sellers, Christi DeMuri, Robyn Ray
Maryville University

This workshop will walk participants through the development and recent deployment of the CyberReady Stl. Curriculum which is built on the Raspberry Pi platform to introduce students to the basics of coding in Python, the Raspberry Pis platform (with SenseHat), and networking in order to help students be more cyberready and to prepare them for subsequent computing curricula (i.e. CyberPatriot). The tutorial will be presented by a team or researchers from Maryville University, a computing expert who was on development team for the curriculum, and three educators who deployed the curriculum in the Fall 2018. The team will talk through results from the pre- and post-tests about attitudes related to computing as well as cyberreadiness skill.

#### Break with Refreshments (4:15 – 4:30 p.m.) – Location: TBA

#### Lightening Talks (4:30 – 5:00 p.m.)
Location: TBA

#### Student Poster Displays (4:30 – 5:30 p.m.)
**Location:** TBA  **Note:** Student posters must be up by 2:00 pm

#### Google (5:30 – 6:00 p.m.) – Location TBA
Wesley Chun, Developer Advocate, Google Cloud

#### Reception and Banquet (6:00 - 7:30 p.m.)
**Location:** TBA

#### Steering Committee Business Meeting (7:30 pm – 8:30 p.m.)
**Location:** TBA
Please join Alynda Armstrong at 12:20 – 12:50 p.m. for a presentation:

**Leveraging Technology to Scale Student Learning in Computer Science Courses**

As demand for computer science programs continue to rise, challenges with scaling CS class processes have emerged. How can instructors assess hundreds of students effectively, efficiently, and fairly? How can they leverage the grading process to drive academic success? Learn how instructors at over 600 universities use Gradescope* to dramatically reduce the pain and time associated with grading all types of student work, including exams, homework, and programming projects.

* Gradescope is now part of Turnitin! - Gradescope is an assessment platform that optimizes grading workflows for STEM, Economics, and Business courses.

Please join Wesley Chun at 5:30 – 6:00 p.m. for a presentation:

**Cloud computing and Running your code on Google Cloud**

Cloud computing has taken over industry by storm, yet there aren't enough new college grads who know enough about it. This session begins with a vendor-agnostic, high-level overview of cloud computing, including its three primary service levels. This is followed by an introduction to Google Cloud, its developer platforms, and which products serve at which service levels. Attendees will learn how to run applications on Google Cloud serverless platforms (in Python & JavaScript; other languages are supported) as well as hear about the teaching & research grants available to engineering (and non-engineering) faculty for use in the classroom or the lab. Whether you’re a professor, researcher, edtech consultant, IT staff, TA grad student, or lecturer, you'll know how to run code on Google’s cloud and help enable the next-generation cloud-ready workforce.