CCSC
CONSORTIUM FOR COMPUTING SCIENCES IN COLLEGES
South Central Region

CCSC South Central Conference 2024 Schedule

Friday, April 5, 2024

Location: Stephen F. Austin State University, Nacogdoches, Texas
Ed and Gwen Cole STEM Building (STEM)
1720 Clark Blvd, Nacogdoches, Texas 75962

Registration (9:00 am – 4:00 pm)

Location: Ed and Gwen Cole STEM Building, suite 312 (3rd floor)

Opening Session (10:00 am – 11:00 am)

Mike Coffee | Stephen F. Austin State University

Location: Ed and Gwen Cole STEM Building, room 405, 4th Floor

Michael Coffee has served in numerous capacities across IT in his thirty-year career spanning both private industry and higher education. During this time, he has witnessed significant changes in the IT industry and eagerly anticipates its future direction. Currently, Mike serves as the Chief Information Officer at Stephen F. Austin State University, leading the Information Technology Services division. Their mission is to act as trusted advisors and deliver robust IT services to all members of the university community. Mike holds a Bachelor of Science in Computer Science and a Master of Business Administration from Stephen F. Austin State University.

Stephen F. Austin State University is a comprehensive institution dedicated to excellence in teaching, research, scholarship, creative work, and service. Through the personal attention of our faculty and staff, we engage our students in a learner-centered environment and offer opportunities to prepare for the challenges of living in the global community.

Break with Refreshments (11:00 am – 11:15 am) – Location: STEM 403

Session 1 (11:15 am – 1:20 pm)

Room: STEM 405
Professional Paper Session
Moderator: **TBA**

11:15 ***FpTracker – A Labware for Teaching Browser Fingerprinting and Privacy Preservation***
Lin Li, Prairie View A&M University; Na Li, Prairie View A&M University

11:40 ***Camp CryptoBot: A Model for Taking Risks and Promoting Self-Efficacy Efficacy in Pursuit of Cybersecurity Career Pathways***
Pauline Mosley, Pace University; Li-Chiou Chen, Pace University; Lisa Elldrot, Pace University; Doris Ulysse, Pace University

12:05 ***Hack the Border: Empowering Experiential Learning Competencies in Computing through Hackathons***
Christian Servin, El Paso Community College; Nadia Karichev, El Paso Community College; J.J. Childress, Microsoft

Lunch 12:30 pm – 1:30 pm
Location: STEM 403

Session 2 (1:30 pm – 2:45 pm)

Room: STEM 405
Professional Paper Session
Moderator: **TBA**

1:30 ***A Case Study on Adopting Best Practices in Introductory Computer Science***
Jeremy Becnel, Stephen F. Austin State University

1:55 ***Designing a Design-Oriented Course for CS Majors***
Fahmida Hamid, New College of Florida

2:20 ***The Utility of Radix Representation and Surrogate Logarithms in the analysis of Algorithms and Data Structures***
Michael Kart, St. Edward's University

Break with Refreshments (2:45 pm – 2:55 pm) – Location: STEM 403

Session 3 (2:55 pm – 4:10 pm)

Room: STEM 405
Professional Paper Session
Moderator: **TBA**

2:55 ***Fostering Code Quality Practices Among Undergraduate Novice Programmers***
Essa Imhmed, Eastern New Mexico University; Edgar Ceh-Varela, Eastern New Mexico University; Hashim Abu-Gellban, Grand Canyon University; Scott Kilgore, Eastern New Mexico University

3:20 ***A Mobile App Leveraging NLP Techniques for Sci-FI Book Recommendations***
Edgar Ceh-Varela, Eastern New Mexico University; Essa Imhmed, Eastern New Mexico University

3:45 ***Teaching Cross-Platform Mobile Development and Cultivating Self-Directing Learners – A Six-Week Summer Online Course Experience***
Liqiang Zhang, Indiana University South Bend

Break with Refreshments (4:10 pm – 4:15 pm) – Location: STEM 403

Session 4 (4:15 pm – 4:45 pm)

Room: STEM 405
Tutorial Session
Moderator: **TBA**

4:15 ***Learning Parallelism Through an Unplugged Class Activity***
Matthew Toups, Tulane University
Anurag Dasgupta, Valdosta State University
Venkat Margapuri, Villanova University
Simon Shamoun, Hofstra University
Shubbhi Taneja, Worcester Polytechnic Institute

Computer Science courses are increasing their coverage of “parallel and distributed computing” (PDC). PDC is now present in many computing activities. Computer Science instructors generally teach these ideas through computer-based examples and programming-based assignments. The authors intend to enhance those existing assignments and examples by adding a non-computer-based classroom "unplugged activity," to demonstrate the concept of parallelism in computing. The proposed activity the authors conducted specifically involves the topic of parallel computing, in which multiple processors (or threads) divide a problem into sub-problems and then compute solutions simultaneously. This computing problem can be studied in a real-world analog: sorting playing cards by suits and ranks. Tasks are divided among teams of students of varying sizes to

explore the benefits and costs of parallel algorithms in this real-world problem. The authors aim to determine the effectiveness of the class activity in helping students learn parallel computing.
Break with Refreshments (4:45 pm – 5:00 pm) – Location: STEM 403
Poster Session (4:45 pm – 5:45 pm) **Location: Barry Nelson Atrium STEM Building, 1st Floor** **Note:** Student posters must be up by 3:00 pm
Reception and Banquet (6:00 pm – 7:30 pm) **Location: STEM 401**
Steering Committee Business Meeting (7:30 pm – 8:00 pm) **Location: STEM 405**

CCSC National Partners Program

Special thanks to all of our National Partners for helping support the activities of the Consortium. CCSC's National Partners Program provides organizations exposure ranging from displaying a logo with a link to the organization (Associate Level and above), to reduced registration fees (Silver Level), to a display table, a partner slot at all Regional Conferences, and promotional material placed in conference packets (Gold Level and above), to a dedicated page on the CCSC website (Platinum Level).

Details regarding benefits offered at each level are available in this National Partner Levels and Benefits guide. For more information about the program, contact Carol Spradling, CCSC National Partners Chair: partners@ccsc.org.

Gold Level Partners:

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