

## 26<sup>th</sup> Annual CCSC Rocky Mountain Conference Program

Friday October 13, 2017

1:00 - 2:00

**Introductions and Keynote Address**

**Room: Centre Stage**

**Welcome:** Pam Smallwood and Mohamed Lotfy, RMCCSC Conference Chairs

**Opening Remarks:** Saeed Moaveni, Dean College of Technology & Computing, UVU

**Keynote Introduction:** Robert Jorgensen, RMCCSC Site Co-Chair

**Keynote Speaker:** Mike Nelson, VP of IoT Security, DigiCert

2:00 - 2:15

**Break:** Water, Drinks and Light Refreshments

**Room: Centre Stage**

2:15 - 3:30

**Room: SC 206A**

**Cordova, Eaton, Greer, & Smith,** A Comparison of CS Majors and Non-CS Majors Attitudes Regarding Computer Security Threats.

**Willis, Evans, Kim, Bryant, Jagvaral, & Glass,** Identifying Domain Reasoning to Support Computer Monitoring in Typed-Chat Problem Solving Dialogues.

**Ponder, Rivera, Garcia, Kuo, & Zheng,** Assessing the Usability and Efficiency of a Smartphone-Based Class Attendance Tracking System.

**Session Moderator:** Daniel McDonald

**Room: SB 075 Lab in Science Building**

**White,** Machine Learning Using Pre-Trained Models

**Session Moderator:** Basil Hamdan

2:15 - 3:30

**Room: SC 206B**

**Zhang, Wolfer, & Surma,** Reinventing a Digital Design Course: Migrating Electronics Instruction from Physics to CS and Using Problem-Based Learning.

**Cliburn,** An Interdisciplinary Course on Human-Computer Interaction.

**Bandi & Fella,** Crafting a Data Visualization Course for the Tech Industry.

**Session Moderator:** Dede Smith

**Room: SC 206G&H**

**Bartholomew,** Agile Gamification: Activities and Techniques to Create a Winning Learning Environment

**Session Moderator:** Keith Mulbery

3:30 - 3:45

**Break:** Coffee, Drinks and Light Refreshments

**Room: Centre Stage**

3:45 - 5:00

<p><b>Room: SC 206A</b> <b>Lotfy &amp; Lindoo</b>, Results of Using a Contextualized Case Study in the Senior Capstone Course.</p> <p><b>Bartholomew</b>, A Risky Business: Managing and Mitigating Risks for Service-Learning Projects for an Information Systems Capstone Two-Course Sequence.</p> <p><b>Assiter</b>, Visualization Seminar: Experiences from a Flipped-Classroom Approach Applied in an Undergraduate CS Elective.</p> <p><b>Session Moderator:</b> Afsaneh Minaie</p>	<p><b>Room: SB 075 Lab in Science Building</b></p> <p><b>HU</b>, Guiding Students to Understand CS Concepts and Develop Process Skills with POGIL</p> <p><b>Session Moderator:</b> John Anderson</p>
---	--

3:45 - 5:00

<p><b>Room: SC 206B</b></p> <p><b>Heggen &amp; Pearce</b>, Reinforcing Self and Cultural Identities in Computer Science Courses.</p> <p><b>Heiner</b>, Coding, Collaborating, and Creating: A Trio of Pedagogical Practices to Improve Instruction and Retention in CS1.</p> <p><b>Vidal Duarte &amp; Pearce</b>, A Cross-Cultural Review of Lightbot for Introducing Functions and Code Reuse.</p> <p><b>Session Moderator:</b> Cindi Krebs</p>	<p><b>Room: CS 621 Lab in CS Building</b></p> <p><b>Hamdan</b>, Web Application Security: Teaching Resources and Tools</p> <p><b>Session Moderator:</b> Robert Jorgensen</p>
--	--

5:15 – 5:45

<p><b>Rocky Mountain Region Business Meeting (All are Welcome to Attend) – Room: Centre Stage</b></p>
---

6:00 – 8:00

<p><b>Dinner and Networking— Tucanos University Mall</b> <b>Bus to Mall Leaving from Student Life Center North Door at 6:00PM</b></p>
---

**Saturday October 14, 2017**

8:30 - 9:00

Breakfast – At Your Hotel or On Your Own

9:00 - 10:15

<p><b>Room: SC 206A</b></p> <p><b>Anthony</b>, Several Questions which Work for Almost Any Computer Science Exam.</p> <p><b>Hamdan</b>, Teaching Case Study: Introducing Data Analytics in an Advanced Cybersecurity Course.</p> <p><b>Wilson</b>, Teaching Security Defense through Web-Based Hacking at the Undergraduate Level. <b>Session Moderator:</b> Kodey Crandall</p>	<p><b>Room: SB 075 Lab in Science Building</b></p> <p><b>Litz &amp; Pyatt</b>, Using an Educational Game to Increase Student Engagement &amp; Learning <b>Session Moderator:</b> Richard Ivie</p>
---	---

9:00 - 10:15

<p><b>Room: SC 206B</b></p> <p><b>Jorgensen, Rowe, &amp; Wylar</b>, Competitions and Gamification in Cybersecurity Education and Workforce Development and Evaluation of Real World Skills <b>Session Moderator:</b> C. Paul Morrey</p>	
---	--

10:15 - 10:30

**Break:** Coffee, Drinks and Light Refreshments      **Room: Centre Stage**

10:30 - 11:45

<p><b>Room: SC 206A</b></p> <p><b>Trono</b>, Efficiently Searching for a Solution to a Kirkman Packing Design Problem.</p> <p><b>Lindoo &amp; Garcia</b>, An Engineering Approach to Teaching APA Style in the CIS Curriculum. <b>Session Moderator:</b> Reza Sanati</p>	<p><b>Room: SB 075 Lab in Science Building</b></p> <p><b>McDonald &amp; Cold</b>, Using Raspberry Pi Computers to Teach Lamp and Wordpress. <b>Session Moderator:</b> Pat Ormond</p>
--	--

Noon

<p><b>Room: Centre Stage</b> Lunch and Travel home or have fun in Utah —Box Lunches</p>	<p><b>Thanks to MyEducator</b> Our Lunch Sponsor</p>
---	--