

Friday, October 21, 2022

| 10:00am – 01:00pm | Registration | | | |
|--------------------------------|---|--|---|---|
| 01:00pm – 02:15pm | Opening Keynote (COMMONWEALTH) Timothy Quinn, “Leveraging IT to support USGS Science” | | | |
| Snack/Coffee Break | | | | |
| Session | Track 1 (COMMONWEALTH) (Faculty Papers) | Track 2 (HURD) (Student Papers) | Track 3 (TREXLER) (Workshop) | Track 4 (HERITAGE) (Vendor) |
| Session 1 02:30pm – 03:45pm | <p>Are research trends in the Consortium for Computing Sciences in Colleges regionalized? Nathan Green, Karen Works</p> <p>An Algorithm for Determining if a B-Tree Value Can be Changed in Place Daniel Spiegel, Aaron Harman</p> <p>Assessing Student Outcomes Related to Design for ETAC-ABET Accreditation Lili Ma, Benito Mendoza</p> | <p>A Pedagogical Approach to Leveraging Gamification for Cybersecurity Awareness in Higher Education Jeremy Gilmore</p> <p>The Human Factor in Computer Security: Email Security Phillip Behrns</p> <p>Identifying Commonalities of Cyberattacks Against the Maritime Transportation System Rebecca Rohan</p> | <p>The Blockchain Art Simulation (BARTS) and Experiential Exercises George Sanders, Sean Sanders</p> | <p>“Using Cloud Computing Resources in Computer Science Classes” Google Becky Elenez, Mary Moore</p> |
| Snack/Coffee Break | | | | |
| Session 2 04:15pm – 05:30pm | <p>Experience in Teaching Cloud Computing with a Project-Based Approach Linh Ngo</p> <p>Teaching Parallel Programming in Introductory CS Classes Using Java Patternlets in Interactive Notebooks Ruth Kurniawati</p> <p>Sketches of some CS 1 Programming Assignments Robert W. McCloskey, Paul M. Jackowitz</p> | <p>Password Managers in an Enterprise Environment Jennifer Ferreras</p> <p>Evaluating the Quality of Art Generated by CLIP+VQGAN Aaron Marker</p> <p>Online Video Gaming Fostering Leadership Skills Samantha King</p> | <p>Do you know your cookies? Sue Conrad, Soliana Hailemichael</p> | <p>NSF grants Paul Tymann</p> |
| 05:45pm – 06:30pm | Poster Session/Reception (RECEPTION GALLERY) | | | |

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| 06:30pm – 09:00pm | Banquet and Banquet Speaker (COMMONWEALTH & HURD) John P. Dougherty, Computer Science, Haverford College |
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Saturday, October 22, 2022

| 07:30am – 09:00am | Registration (GAMBET CENTER, lobby, 1 st Floor) Breakfast (GAMBET CENTER, 2 nd Floor) | | | | |
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| Session | Track 1 GAMBET CENTER, 206 (Faculty Papers) | Track 2A GAMBET CENTER, 210 (Nifty ideas) | Track 2B GAMBET CENTER, 220 (Tutorial/ Vendor) | Track 3 GAMBET CENTER, 214 (Tutorial/ Workshop) | Track 4 GAMBET CENTER 224, 232 |
| Session 3 08:30am – 09:45am | On Teaching and Testing Recursive Programming David Wonnacott, Gulesh Shukla Integrating Data Privacy Principles into Product Design: Teaching “Privacy by Design” to Application Developers and Data Scientists Sue Conrad | Adding Interactive Content to Dive into Systems, a free online textbook for introducing students to computer systems Suzanne Matthews, Tia Newhall, Kevin Webb | Rephactor Tom Way | Git-Keeper: Streamlined Software for Automated Assessment Workflows Ben Coleman | Programming Competition |
| Snack/Coffee Break | | | | | |
| Session 4 10:00am – 11:15am | Increasing Engagement in Online Classrooms with Augmented Reality Filters David Eisenberg, Tanmoy Pias, Michael Lee Reinforcement Learning to Generate 3D Shapes: Towards a Spatial Visualization VR Application Charles Silverman, Liam Stewart, Christian Lopez Using Information Structure Design to Reduce Bribery Timothy Highley, Kidanewold Demesie | Incremental Picross Puzzle Development Carolyn Rosiene, Joel Rosiene Developing Basic Artificial Intelligence and Machine Learning Solutions Using BeagleBone AI Natalia Bell, Osei Hyiamang | Reflective Curriculum Review for Liberal Arts Computing Programs Jakob Barnard, Grant Braught, Janet Davis, Amanda Holland-Minkley, David Reed, Karl Schmitt, Andrea Tartaro, James Teresco | A Lecture That Guides Students to Build A Simple Blockchain Wu Penn | Programming Competition |

| Snack/Coffee Break | | | | | |
|-----------------------------------|---|---|--|---|---|
| Session | Track 1 GAMBET CENTER, 206 (Faculty Papers) | Track 2A GAMBET CENTER, 210 (Nifty ideas) | Track 2B GAMBET CENTER, 220 (Tutorial/ Workshop) | Track 3 GAMBET CENTER, 214 (Tutorial/ Workshop) | Track 4 GAMBET CENTER 224, 232 |
| Session 5 11:30am – 12:45pm | <p>Student Perceptions of Computer Science Course Experiences During and After the COVID Pandemic Karen Anewalt, Jennifer Polack</p> <p>An Early Measure of Women-Focused Initiatives in Gender-Imbalanced Computing Programs Mary Villani, Ilknur Aydin, Lisa Cullington</p> <p>Introducing Computer Science to Education Faculty – Teach the Teacher Educators Jiang Li, Marisel Torres-Crespo, Jennifer Cuddapah, Ann Stewart</p> | <p>Interesting Exercise to Demonstrate Self-balancing Trees Samah Senbel</p> | <p>Using Metal's Expanded Map-based algorithm Visualization in Computer Science Courses James Teresco</p> | | Programming Competition |
| 01:15pm – 02:15pm | Luncheon/Awards | | | | |
| 02:30pm – 03:30pm | Planning Meeting | | | | |