



Mountain West Cybersecurity Consortium

Spring Conference Friday 9 April 2021 9-3 PM

VIRTUAL: hosted by Nina Amey Arapahoe Community College

Register: on line at <https://www.mtnwestcc.org/events> (create an account and register for the event)

Zoom Link: Join Zoom Meeting

<https://arapahoe-edu.zoom.us/j/84714041236?pwd=djg5OWZ2aWRPYUlXyYtDOXZnTi93dz09>

Video Recording: INSERT HERE

Agenda

- 0900-0910 Welcome – Gretchen Bliss and Joe Murdock
- 0910-0945 Introductions
 - Gretchen Bliss – UC Colorado Springs (MWCC Chair) gbliss@uccs.edu
 - Joe Murdock – UC Denver Business School (MWCC Vice Chair) joseph.murdock@ucdenver.edu
 - Nina Amey – Arapahoe CC nina.amey@arapahoe.edu
 - Dawn Gregg – UC Denver Business School dawn.gregg@ucdenver.edu
 - JJ O'Rourke – Norwich University jorourk2@norwich.edu
 - Wiley Jones – NSA Liaison for RRCC wwjones@uwe.nsa.gov
 - April Frost – Pikes Peak CC april.frost@ppcc.edu
 - Blair McFarland – NSA Liaison UC Boulder
 - Bruce Harmon – University of Denver bruce.harmon@du.edu
 - Doug MacGregor – Western University dmacgregor@western.edu
 - Gary Klein – UC Colorado Springs
 - Jen Piche – NSA Academic Engagement japiche@uwe.nsa.gov or pichej@nro.mil
 - John Gilbert – NSA Liaison CSU Pueblo
 - Klaus Streicher – MSU Denver nstreich@msudenver.edu
 - Megh Freeland – UC Colorado Springs
 - Nate Evans – University of Denver nathan.s.evans@du.edu
 - Steve Beaty – MSU Denver beatys@msudenver.edu

- Jeff London – MSU Denver jlondon5@msudenver.edu
- Steve Fulton – USAFA steven.fulton@afacademy.af.edu
- Serena Sully Sullivan – Trinidad State JC serena.sullivan@trinidadstate.edu
- Terri Johnson-Akse – Pikes Peak CC terri.johnsonakse@ppcc.edu
- Thomas Chapman – Colorado Mesa University tchapman@coloradomesa.edu & thomas.chapman@woodbury.edu (8/16/21)
- Trevor Covington – Fireeye Mandiant trevor.covington@fireeye.com
- Yarrow Spitzfaden – Red Rocks CC yarrow.spitzfaden@rrcc.edu
- Erik Fretheim – Western Washington University
- Mattie Gullixson – National Cyber Center Mattie.Gullixson@cyber-center.org
- Roberto Mejias – CSU Pueblo roberto.mejias@csupueblo.edu
- 0920-0925 Student based LogWars (LogRhythm)
 - April or May timeframe – 4 hour event
 - School teams of 4 students
 - Can students access labs/learning material earlier?
 - Interested?
 - UC Denver
 - Pikes Peak CC
 - Red Rocks CC
 - MSU Denver
 - University of Denver
 - Arapahoe CC
 - UCCS
- 0925-0930 Fireeye Mandiant – Trevor Covington
 - Are available as guest speakers, some are local to Denver
 - Tools and webinars available for students & faculty
 - <https://www.fireeye.com/content/dam/collateral/en/wp-m-unc2452.pdf>
 - <https://www.brighttalk.com/webcast/7451/469525>
 - <https://www.brighttalk.com/webcast/7451/475010>
 - <https://github.com/fireeye/red-team-tool-countermeasures>
 - Fall MWCC presentation on SolarWinds Orion
 - Joe to follow-up with Trevor (trevor.covington@fireeye.com)
- 0945-1000 WiCyS Update – Gretchen Bliss/Steve Fulton
 - Scheduled for September 2021 in Denver (Gaylord Resort)
 - <https://www.wicys.org/events/wicys-2021/>
 - Can still register to attend & looking for volunteers
 - Career Village for students to talk to employers
 - Looking for sponsors
- 1000-1015 NICE Apprenticeship Working Group update – Nina Amey
 - Next meeting April 16th @ 1:30pm – nina.amey@arapahoe.edu
 - Building ROI for a Cyber Workforce
 - Working on ROI calculators to support initiative
- 1015-1030 Break

- 1030-1130 Pisces Project presentation -Mattie Gullixson NCC and Erik Fretheim WWU
 - Public Infrastructure Security Cyber Education System
 - <https://pisces-nw.org/>
 - <https://pisces-nw.org/2021/03/03/pisces-3rd-annual-academic-workshop/>
- 1130-1200 TeachCyber.org – Melissa Dark and Jenny Daugherty
 - Free and open for teachers to register
 - High School curriculum guidelines & courseware
 - Assessment resources & cyber range hands-on access
- 1200-1215 GenCyber Update – Gretchen Bliss
 - 5 summer MWCC GenCyber camps blended (online & in-person) July & August
 - Western
 - Mesa
 - Pueblo CC
 - Albuquerque (UNM)
 - Pikes Peak CC
- 1215-1245 Lunch
- 1245-1300 Norwich Update – John J O’Rourke & Nate Reddick
 - NUARI Applied Research Institute
 - <https://nuari.net/>
 - Use interns in the SOC to help them gain hands-on experience
 - Working on new programs related to cyber
- 1300-1345 School Program Update – All participants
 - Arapahoe CC
 - 2 years into NSF grant for female participation in cyber
 - 2 summer workshops for high school students
 - 5 ½ day workshops w/ digital escape room
 - Looking for guest speakers, email Nina nina.amey@arapahoe.edu
 - FTE is up
 - Fall MWCC presentation on student cohort success
 - UC Denver Business School
 - MSIS Cybersecurity w/ fully online option
 - FTE is up
 - Summer GenCyber Camp (fully online)
 - CAE Designation in-process
 - Looking for full-time instructor to add to program
 - RMCCDC team did well – students from business and computer science
 - NSA Academic Liaison Process
 - Program is growing
 - Any school can request a liaison
 - Reach out to Jen if you would like to request a liaison
 - japiche@uwe.nsa.gov or pichej@nro.mil
 - NSA recruitment opportunities, email Jen & Wiley (NSA)
 - DFD at CU Boulder Designing for Defense (Hacking for Defense)

- Challenge of retaining skilled cyber professionals
 - Push for cyber education in the high schools (ROTC)
 - NSA Colorado Research Liaison
 - New person starting in June
 - International Computer Programming Competition (ICPC)
 - NSA – CU Boulder co-op research agreement
 - NSA – CU System educational agreement
 - NSA Accelerated Degree Program
 - Articulation agreement between NSA & Institutions
 - CTU & CSU Global
 - If your interested, reach out to Jen japiche@uwe.nsa.gov
pichej@nro.mil
- Red Rocks CC
 - Yarrow & MaryAnn were grant funded, looking to extend
 - Northrop Grumman partnership continues – interviewing students currently
 - Working on growing industry partners
 - Summer Cyber Patriot (in-person)
 - RMCCDC Team
 - First graduates from the BAS in Secure Software
 - FTE is down
 - Looking for adjunct instructors
- Trinidad State JC
 - Collaborating with MSU Denver on the CEDI award
 - Outcalt Foundation award of \$1M to raise digital literacy in the San Louis Valley
 - Upgrades to the Trinidad campus for the library including cyber and e-sports labs
 - Creating new certificate programs including cybersecurity
 - Waiting for full approval but will start offering courses in the fall
 - Created a new cybersecurity club
- Pikes Peak CC
 - FTE is steady in program (college is down)
 - Looking to hire a new instructor
 - Cyber team compete in Colorado Cyber Challenge & NCL
 - Grant with CSU Pueblo & Pueblo CC working with middle & high schools for NCL
- MSU Denver
 - CAE designation in process
 - Getting ready to stand-up a cyber range, construction to begin soon
 - Working on establishing partnerships with industry
 - Possible host for fall MWCC
- University of Denver
 - New faculty in the program along with a new dead
 - FTE is up, University is steady
 - CAE re-designation in process (cycle 3)
 - Modernizing program curriculum for fall

- Dropping the GRE requirement for the Master's in Cybersecurity/Computer Science
 - UCCS
 - College of Business
 - Making good progress on DoL apprenticeship grant, recruiting nationwide
 - NSA Faculty development grant is up and partnered with 18 schools (Dakota State is the other hub)
 - FTE is up with new program
 - DBA in Cybersecurity Management will launch in fall
 - New faculty member on board and looking for 1 or 2 additional full time instructors
 - Articulation Agreement with Pikes Peak and hopefully Arapahoe soon
 - Launched a new cybersecurity research journal, 1st issue in September <https://www.emeraldgrouppublishing.com/journal/oci>
 - Overall
 - Renewed grant funding
 - Phase 3 of buildout at the NCC building with new classrooms, labs, and executive spaces – possible Spring 2022 MWCC host site.
 - New BA Computer Science
 - New WiCyS student chapter
 - NSA Career Presentation April 26th open to students in the CU system
 - New deputy assisting Gretchen is Megh Freeland
 - USAFA
 - Lots of change going on – new department head search
 - Focus on graduating the seniors
 - Creating new scenarios for CyberCity
 - CSU Pueblo
 - NSF S-STEM grant for HIS partnering with Pikes Peak CC & Arapahoe CC
 - Students (including local high school & CC) participating in NCL w/ top ranking
 - Recommends being an NSF grant proposal reviewer
 - FTE up slightly
- 1345-1430 CEDI Update – MSU Steve Beatty, Jeff London, Serena Sullivan and Nikolaus Streicher
 - Cybersecurity Education Diversity Initiative
 - Looking to partner with other MSI (HIS, Tribal, HBCU, etc.) designations with cyber aspirations but not in the CAE designation process or already designated.
 - Currently working with Trinidad State but looking for other partners
- 1430-1445 Fall Meeting 2021 planning/content – Gretchen Bliss and Joe Murdock
 - Location, date, and time:
 - In-person w/Zoom Hybrid
 - MSU Denver Cyber Range
 - Friday, October 22nd, 2021
 - Friday, October 29th as backup

- Agenda Items for Fall
 - Sub-Committee updates:
 - Career Fair – Doug MacGregor
 - Student Project Proposal Template – Joe Murdock, Steve Fulton
 - Community Engagement/Outreach – Jeff London
 - FireEye Mandiant Presentation on SolarWinds Hack
 - NSIN & D4D Program Presentations
 - Next round of MWCC GenCyber Proposals
 - Student Cohort Success Presentation – Nina Amey
 - Mountain West Cyber Challenge – Gretchen Bliss
 - MWCC Webpage Update
 - Can we add job posting links to the webpage?
 - Spring meeting time & location
 - Move back to March (April was tough for many people)
 - Aligned with RMCCDC? Worked well previously
 - Host at FireEye
- 1445-1500 New Chair nomination (Fall 2021- Spring 2023) – member vote - Joe Murdock
 - By-laws reviewed
 - Nominations
 - Gretchen Bliss was nominated and voted in by majority
- 1500-1515 Final Comments/Closing Remarks – Gretchen Bliss