

Department of Computer Science

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2018 CS Summit on Scalability and Diversity



Rutgers is proud to announce the 3rd annual NJ Computer Science Summit on Diversity and Scalability on **May 18th, 2018**. Prior summits have provided opportunities for stakeholders from a variety of backgrounds to participate in a dialogue regarding the state of computer science education in New Jersey. As we continue to see growth in undergraduate CS programs, and increased interest in secondary CS, this summit offers an opportunity for conversations among New Jersey 4- and 2-year college faculty, K-12 teachers and administrators, representatives from industry, the NJ Department of Education and other government offices. As in past summits, we plan on a schedule that includes dynamic guest speakers, discussion panels, and breakout sessions.

The Summit will be held on BUSCH CAMPUS, Computing Research and Education Building (CoRE). Parking is available in lots 60A, 60B, and 64. Lots are very close to CoRE. Directions to the parking lot for your GPS device would be best (94 Brett Road, Piscataway, NJ). You will see the lots marked. You will see CoRE (the tall brown building) as you near the lots from Brett Rd. You do not need a parking permit.

Complete the Registration Form so we can better organize the day and order the appropriate amount of food!

Summit Agenda *(subject to change)*

(Details on sessions will be available at a later time)

3:00-8:30 Breakfast **(CoRE lobby)**

(CoRE Auditorium)

3:30-8:40 Welcome --- Fran Trees and Thu Nguyen

3:40 - 9:00 State of the State -- Daryl Detrick

Bio: Daryl is a computer science teacher at Warren Hills Regional High School in Washington, NJ, where he has seen the program grow from 30 students to over 200 with 39% female participation. He is the past president of the Computer Science Teachers Association(CSTA) of Central NJ and a member of CSTA National Advocacy Committee. He received the NCWIT NJ Educator Award, the CSTA National Advocate of Year and is a

Google CS4HS Ambassador.. Daryl believes that computer science education can positively change the lives of our students, particularly those in low income situations, by opening doors of opportunity.

9:00 - 9:50 Keynote Speaker: Pat Yongpradit, Chief Academic Officer, Code.org.

Bio: Pat is the Chief Academic Officer for Code.org, a nonprofit dedicated to promoting computer science education. As a national voice on K-12 computer science education, his passion is to bring computer science opportunities to every school and student in the United States. Throughout his career as a computer science teacher, he inspired students to create mobile games and apps for social causes, and implemented initiatives to broaden participation in computer science among underrepresented groups. As a result, enrollment in his school's computer science program doubled, the number of girls taking advanced computer science tripled, and many of his students went on to majors and careers in computing. Pat has also written and consulted on technology curricula at the local, state and national level and in 2010 was recognized as a Microsoft Worldwide Innovative Educator.

9:50 - 9:55 Summary of Breakout sessions and logistics

9:55 - 10:05 Break

10:05- 11:00 Breakout session 1 (**Refer to table below**)

11:05-12:00 Breakout session 2 (**Refer to table below**)

12:00 - 1:00 LUNCH (**CoRE Lobby**)

(CoRE Auditorium)

1:00 - 1:30 Keynote Speaker: Chris Kay, Partnerships Bureau Chief within the New Jersey Cybersecurity & Communications Integration Cell (NJCCIC)

Bio: Lieutenant Chris Kay (NJSP) is responsible for leading a multi-disciplined outreach team towards developing partnerships with public and private sector organizations and assisting these organizations improve their digital resilience. Prior to his current assignment, Lt. Kay served for nine years during three gubernatorial administrations on the NJ State Police's Executive Protection Unit. Lt. Kay is a 17-year member of the NJSP and a US Army veteran.

1:30 - 2:20 Panel discussion- Industry: Industry leaders and working College Grads. (Facilitator: John Hajdu)

Panelists:

Jeff Lane, Strategic Initiatives manager for Apple

Aaron Kuderka, Google Software Engineer

Michael Brodack, FBI, Assistant Special Agent in Charge, Newark Field Office

Archana Jain, VP and CIO of Verizon Partnership Solutions

Aimee Rosato, Regional Manager, TEALS K-12

2:20 - 2:30 Break

2:30 - 3:25 Breakout Session 3 (**Refer to table below**)

(CoRE Auditorium)

3:30 - 3:45 Wrap up, Next Steps

3:45 - 5:00 CSTA NJ-North and NJ-Central Chapter Meeting (If you are not a member, join!)

Breakout 1 (10:05 - 11:00)	Breakout 2 (11:05 - 12:00)	Breakout 3 (2:30 - 3:25)

<p>NJ Statewide Action Plan: What should it look like?</p> <p>CoRE 431</p>	<p>CS Teacher Certification/Endorsement</p> <p>CoRE 431</p>	<p>Grants/Funding Opportunities for CS Education Research: Hints for writing successful grants</p> <p>CoRE 431</p>
<p>CyberSecurity in CS Education</p> <p>CoRE 301</p>	<p>Hackathons/Contests? What is important?</p> <p>CoRE 301</p>	<p>CyberSecurity in CS Education</p> <p>CoRE 301</p>
<p>Scalability and Diversity: How and what are we doing?</p> <p>CoRE 305</p>	<p>Undergraduate CS Curriculum: Is it (or should it be) changing? A look at CS minors?</p> <p>CoRE 305</p>	<p>Game Design</p> <p>CoRE 305</p>
<p>Makerfest</p> <p>Hill 350</p>	<p>Professional Development What do we have? What do we need?</p> <p>Hill 350</p>	<p>CS 4 NJ: Industry working with Educators</p> <p>Hill 350</p>
<p>College Board AP CSP and AP CSA</p> <p>CoRE 229</p>	<p>Cyber concerns: Why we shouldn't just sign our students for the next hot edtech initiative, but ask, is this necessary?What info are we leaking of our students?</p> <p>CoRE 229</p>	<p>Near Peer Mentoring-utilizing students for engagement and mentorship</p> <p>CoRE 229</p>