



Connecticut
Computer Science
Teachers Association

CS4CT Summit 2018

March 16th

Cromwell, CT

**Launching the
Computer Science Revolution
in Connecticut**

#CS4CT



Welcomes you to the CS4CT Summit 2018!

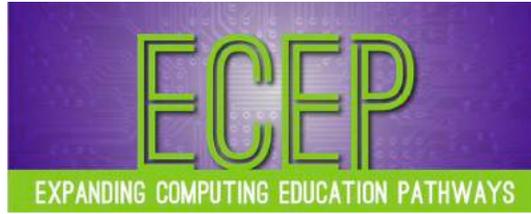
We thank you for your participation in this event and for the generous support of our sponsors. We encourage participants to take what you learn today and do what you do best—transform it into valuable learning experiences and opportunities for all students in computer science education.

Please share your experiences via social media using #CS4CT

CS4CT Summit app



Support and Funding for the CS4CT Summit 2018 is provided by:



GOLD SPONSOR



SILVER SPONSOR



BRONZE SPONSOR



COPPER SPONSORS



SUPPORTERS



CTCSTA MISSION STATEMENT

CTCSTA is the Connecticut chapter of the **Computer Science Teachers Association**.

CTCSTA acts as a local resource to:

- Build a strong community of computer science educators who share their knowledge.
- Provide teachers with opportunities for high quality professional development.
- Advocate at all levels for a comprehensive computer science curricula.
- Support projects that communicate the excitement of computer science to students and improve their understanding of the opportunities it provides.
- Collect and disseminate research about computer science education.
- Provide policy recommendations to support computer science education across K-12.
- Raise awareness that computer science educators are highly qualified professionals with skills that enrich the educational experience of their students.

CTCSTA works at many levels to support computing education:

- Elementary/Middle School: problem solving and computational thinking.
- High School: computing and computer science.
- College/University: enrollment and transition.
- Industry: engagement and preparation.

BECOME PART OF THE REVOLUTION

Join CT Computer Science Teachers Association

www.ctcsta.org

no membership fee

Follow @CTCSTA

Follow @csteachersorg



CS4CT SUMMIT 2018 AGENDA

- 7:15 – 8:00 **Registration and Breakfast**
- 8:00 – 8:15 **Welcome:** Seth Freeman [ECEP-CT] & Chinma Uche [CTCSTA]
Opening Remarks: Gary Mala [EASTCONN]
- 8:15 – 9:05 **Reaching All Students with Computer Science**
Panelists:
Jake Baskin [CSTA] *moderator*
Leigh Ann DeLyser [CSforALL]
Ralph Morelli [Mobile Computer Science Principles]
Brenda Wilkerson [AnitaB.org]
- 9:05 – 9:50 **Keeping Connecticut Competitive in the 21st Century:**
Panelists:
Jim Mersfelder [Le Pecq] *moderator*
Scott Burghoff [CGI]
Bruce Carlson [Connecticut Technology Council]
Nancy Davis [United Technology Corporation, retired]
Estela Lopez [CT State Board of Education]
- 9:50 – 10:10 **Morning Break**
- 10:10 – 10:35 **Computer Science in CT: A State Perspective**
Jennifer Michalek [CT State Department of Education]
- 10:35 – 10:55 **Broadening Participation in Computing in your Classroom/District**
Leigh Ann DeLyser [CSforALL]
- 11:00 – 11:45 **Round “Recursive” Robin**
- 11:50 – 12:40 **Lunch**
- 12:45 – 2:10 **Breakout Session I**
- 2:10 – 2:25 **Afternoon Break I**
- 2:25 – 2:55 **Breakout Session II**
- 2:55 – 3:10 **Afternoon Break II**
- 3:10 – 4:05 **Breakout Session III**
- 4:15 – 4:30 **Closing Activity & Sphero Mini Raffles** - Nutmeg Room
- 4:30 – 5:30 **Cocktail Hour** - Gardens

Throughout the day, we encourage participants to visit the exhibitors in the Gardens.

MORNING SESSIONS [8:00 – 11:45]

Reaching All Students with Computer Science

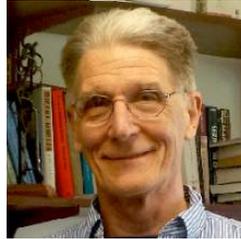
This panel will discuss the importance of broadening participation in computing and share how computer science education is being advanced across the United States.



Jake Baskin
CSTA
moderator



Leigh Ann DeLyser
CSforALL



Ralph Morelli
Mobile Computer
Science Principles



Brenda Wilkerson
AnitaB.org

Keeping Connecticut Competitive in the 21st Century

This panel will discuss the importance of K-12 CS education to support industry and workforce needs, promote diversity in the technology workforce, and keep and retain technology companies in CT. Panelists will also discuss the role of industry in advancing K-12 CS education.



Jim Mersfelder
Le Pecq
moderator



Scott Burghoff
CGI



Bruce Carlson
Connecticut
Technology Council



Nancy Davis
United Technology
Corporation, retired



Estela Lopez
CT State Board of
Education

Computer Science in CT: A State Perspective

Learn about the important activities and initiatives underway by CT State Department of Education to advance K-12 CS education in our state. A brief review of recent work will be shared. Current initiatives around computer science standards and teacher certification will also be presented.

Jennifer Michalek [CT State Department of Education]

Broadening Participation in Computing in your Classroom/District

Engage in an activity to help find your own CS Vision and identify why computer science is important for your students.

Leigh Ann DeLyser [CSforALL]

Round “Recursive” Robin

Walk the CS4CT Summit to view tabletop demonstrations of K-12 CS curricular resources to use in your classroom. *See separate insert for details.*

BREAKOUT SESSION I [12:45 - 2:10]

Clearing Pathways for Students with Computer Science

Room: Nutmeg

Michelle Graveline, Jackie Corricelli [West Hartford Public Schools]

In this presentation, the presenters will discuss why providing access to computer science education to all children is a social justice imperative. Presenters will share successful strategies to consider and pitfalls to avoid when implementing computer science courses at the high school level. Attendees will obtain lessons learned from a district that has grown their CS program dramatically. *Audience: High School, Administrators*

Learn to Code with iPad

Room: Crown 1

Matt Brooks [Apple Inc.]

Coding is an essential skill that teaches problem-solving, develops teamwork and inspires creativity. Learn how you can engage elementary and middle school students in the world of coding on iPad with visual-based apps, Swift Playgrounds, and Everyone Can Code resources designed for teachers. *Audience: K-5, 6-8*

Bringing CS to Your District: A Possible Track of CS Courses

Room: Crown 2

Pauline Lake [Trinity College], Melissa Fearrington [Simsbury Public Schools], Seymour de Oliveira, John Tusch, James Veseskis [Hartford Public Schools]

This workshop will provide an overview of the Exploring Computer Science, Computer Science Principles, and Computer Science A courses which can be used to create a high school Computer Science track. Attendees will have an opportunity to ask questions of teachers who have taught these courses. Summer 2018 professional development programs for CT teachers will also be discussed. *Audience: 6-8, High School, Administrators*

Are You In The MOOD to Code?

Room: Crown 3

Ellen Browne [Pomfret School]

This session introduces fundamental computer science concepts using TI-BASIC. Participants will develop a mood ring by creating a simple feedback and control system. No computer science experience is necessary. The Session is designed to be hands-on using the latest TI graphing products and the TIInnovator Family of Products. In addition to developing a mood ring, participants will gain experience Coding with the TI-Innovator Hub with TI-LaunchPad Board as well as the TI-Innovator Rover. Connections to key mathematics and science topics will be explored. *Audience: 6-8, High School*

Code.org K-12 Computer Science Programs

Room: Middlesex

Jessie Barrett [University of Rhode Island]

This workshop will help principals, guidance counselors, teachers, and other district administrators understand why K-12 computer science education matters and why all students should have the opportunity to learn CS. The workshop will provide guidance on strategies for choosing and implementing CS programs and pathways in schools, as well as provide an overview of Code.org's elementary, middle, and high school programs and PD opportunities, including the opportunity to participate in a CS activity from the curriculum. *Audience: K-5, 6-8, High School, Administrators*

Crafty Robots

Room: Coach

Kelsey Derringer [BirdBrain Technologies]

Make robots with the Hummingbird Robotics Kit! Learn the basics, design and build your own robot, and talk with our team at BirdBrain Technologies on how to align robotics to your classroom subject and standards, no matter what age or subject you teach. Participants will design, build, and program their own Hummingbird robot using Scratch. Participants will also see examples of Hummingbird robots built by real students, providing inspiration for their own classrooms. Participants will leave with practical, in-depth knowledge about using robotics in the classroom. *Audience: K-5, 6-8, High School*

BREAKOUT SESSION II [2:25 - 2:55]

Examining the Landscape of K-12 CS Education across CT

Room: Nutmeg

Seth Freeman [Capital CC], Jackie Corricelli [West Hartford Public Schools], Chinma Uche [CREC]

Presenters will share highlights from the ECEP Landscape Study "Examining the Landscape of Computer Science Education across CT." Presenters will highlight disparities in CS course participation for females and under-represented minorities (URM) as well as challenges to offering CS coursework reported by educators across the state. Presenters will highlight the importance of expanding access to CS education for all students.

Audience: K-5, 6-8, High School, Administrators

Gamifying Computer Science Education

Room: Crown 1

Jamie Lang [South Windsor Public Schools]

Learn how to harness the power of games to make students active participants in the learning process, give them choice and agency, and develop mastery of the content. Attendees will learn what gamification is and why it is great for learning, and what technology platforms are available to implement gamification in their classrooms. *Audience: K-5, 6-8, High School*

Teach Computer Science Principles with Mobile Apps

Room: Crown 2

Pauline Lake [Trinity College], Elizabeth Dillard [CREC]

This workshop will provide an overview of Mobile CSP's curriculum and professional development. Attendees will be provided with information about teaching computing through mobile technology. This includes a hands-on experience with MIT's App Inventor, Mobile CSP course materials, and pedagogical information and experiences from current and experienced Mobile CSP teachers. Information about the Mobile CSP Professional Development will also be available. *Audience: High School*

Adventures in Middle School Coding

Room: Crown 3

Rachel Smith [Newtown Public Schools]

In this presentation, middle school CS teacher Rachel Smith will share what she's learned by "beta testing" every shiny, new resource that comes her way: it's not about the tech, it's about the skills students learn. Rachel will share a ton of coding resources and the lessons she's learned about teaching coding. Differentiation, basic computer science principles and personalized learning will be addressed. Participants will leave with some practical advice on how they can teach coding in their classrooms. *Audience: 6-8*

Introduction to Pencilcode: Scalable Coding Across Grade Levels

Room: Middlesex

Scott Mongillo [Regional School District 13]

Attendees will learn how to navigate pencilcode.net and use pencilcode.net in class. There will be helpful hints and tips including an overview of the glossary and how to use this to allow students to deep dive into their programming life. The attendees will have a sample lesson that they could utilize for a geometry unit. Additionally attendees will have a collaboratively brainstormed list of potential activities that this program would allow for. *Audience: K-5*

Challenge Based Learning in Computer Science and STEM

Room: Coach

Elizabeth Radday [EdAdvance]

Skills21 at EdAdvance supports student led STEM challenge projects. A new National Science Foundation grant supports a STEM + CS challenge that integrates traditional science courses (biology, chemistry and physics) with the AP CS Principles. Participants will view sample exemplary projects and will work in small groups to suggest project ideas they could facilitate with their students. Attendees will learn how challenge based learning in Computer Science can be integrated into the science and computer science classrooms and how the Skills21 challenge based model and curriculum walks classes through the process from ideation to prototyping to final presentations of their solutions at the Student Innovation Expo Fest each May. *Audience: High School*

BREAKOUT SESSION III [3:10 - 4:05]

UTeach CS Principles: A College Board-endorsed PBL course

Room: Nutmeg

Kyle Schreiner [Freehold Regional High School District, NJ]

In this session participants will learn about the UTeach CSP curriculum and various training opportunities available this summer. We will also share an “unplugged” curriculum activity. *Audience: 9-12, Administrators*

Bring computer science to all students with PLTW's K-12 Curriculum

Room: Crown 1

Suzanne Snow [Project Lead The Way]

Join us for a hands-on activity and overview of Project Lead The Way (PLTW) Computer Science engaging, project based curriculum designed for all students. Whether building apps to meet client needs or exploring cybersecurity, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. Our modules and program courses empower students with in-demand knowledge and skills they will use in school and for the rest of their lives, on any career path they choose. *Audience: K-5, 6-8, High School, Administrators*

Exploring Computer Science

Room: Crown 2

James Veseskis, Mario Sousa Pena [Hartford Public Schools]

One word to describe the Exploring Computer Science (ECS) curriculum and teacher training is, “Equity.” ECS curriculum focuses on enabling all students regardless of race, gender or disability to gain skills in computer science empowering them in the 21st century. Attendees will learn about the ECS curriculum, as well as upcoming professional development opportunities. *Audience: 6-8, High School, Administrators*

Student App Designer: An Interdisciplinary Middle School Project

Room: Crown 3

Lisa Lassen, Kristin Yeakel [Amity Regional School District #5]

This presentation outlines a middle school interdisciplinary project that integrates CS standards with Math and ELA Core Standards. Students work in collaborative groups to design and promote an educational app. The presenters will outline the project and will include information on how to adapt the project for various levels of learners, including tech savvy students. Teachers and administrators will learn how to execute this project in their own schools in order to increase computer science in the curriculum. *Audience: 6-8*

Incorporating Makerspace in the Elementary Classroom

Room: Middlesex

Barbara Johnson [Colchester Public Schools], Hope Mulholland [Norwich Public Schools]

This hands-on workshop will allow participants to explore different makerspace tools that introduce students to computer science and encourage the development of 21st Century Skills. Connections to curriculum and strategies for using materials in the classroom will be explored. Learn coding techniques for K-12, with little to no experience. *Audience: K-5, 6-8*

Bringing a Customizable Coding Platform to Your School with CodeHS

Room: Coach

Jeremy Keeshin [CodeHS]

At CodeHS, we understand that teaching students about computer science starts with empowering teachers with skills, pedagogical knowledge, and confidence in the classroom. This includes learning new curriculum and navigating a variety of teaching platforms. Our workshop is designed to introduce teachers to the CodeHS platform and the suite of teacher tools and resources available to build a successful computer science course. Learn how to leverage the CodeHS platform to teach a high-quality computer science course at your school. Topics will include our full 6th-12th grade computer science pathway, teacher tools & resources, CodeHS best practices, and more. *Audience: 6-8, High School, Administrators*

MORNING PRESENTER BIOS

Jake Baskin

Jake is the Executive Director of the Computer Science Teachers Association, the world's leading association for K-12 computer science teachers. He is a former high school computer science teacher, department chair, and professional development provider with the Chicago Public Schools. As a teacher, he focused on increasing access to computing for underrepresented groups and more than doubled female enrollment in introductory computer science classes. Prior to joining CSTA he was Director of State Government Affairs for Code.org, where he worked with educators and policymakers to advocate for policies that expand access to high-quality computer science education with state departments of education and governor's offices across the country. In his work at Code.org, he helped to build a nationwide network of more than 40 regional partners that worked with over 100 school districts in the U.S. to implement comprehensive computer science programs and provide professional learning for teachers.

Scott Burghoff

Scott Burghoff is a Vice President with CGI, the 5th largest independent IT and business process services firm in the world, and a 2017 Top Workplace as designated by the Hartford Courant. Scott is responsible for CGI's healthcare sector in the northeast and is based in Hartford. Scott's prior work experience includes large IT companies such as Accenture and IBM. Scott graduated from Windsor High School and earned B.S. and M.S. degrees in Computer Science in college. Scott is passionate about STEM and, in particular, the need to advance computer science education in the United States.

Bruce Carlson

Bruce W. Carlson became the Connecticut Technology Council's CEO in July 2014. Prior to being at CTC, Bruce founded the IP Factory, Inc. a not for profit whose focus is creating companies from proven technologies using a closely managed commercialization process. He remains the Board Chair of the IP Factory. From 1998 to 2009, at the University of Connecticut, Bruce had the dual role of Chief of Staff of the UCONN Health Center and the Managing Director UConn's Office of Technology Commercialization, its technology transfer program to encourage research and innovation in Connecticut through the commercialization of the university's research. Previously, he was policy development director in the state Office of Policy and Management from 1984 to 1998, during which time he worked under four governors and three political parties, advising on economic development and environmental issues.

Nancy Davis

Nancy Davis retired as Senior Vice President and Chief Information Officer of the United Technologies Corporation in 2016. She was responsible for providing leadership to UTC's information technology function, including global IT strategies, systems, infrastructure and supplier management. She previously served as Vice President and Chief Information Officer at Pratt & Whitney from 2003-2009 and Vice President and Chief Information Officer of Sikorsky from 2002-2003. Davis joined UTC's Pratt & Whitney division in 1979 and held various positions in IT, including Director of Engineering and Manufacturing Systems, Infrastructure, Architecture & Security Operations and global Enterprise Resource Planning (ERP) implementation. She led the initial outsourcing of Information Technology operations at Pratt & Whitney in 1999, which is now in place globally across UTC. She received a Bachelor's degree from Trinity College and holds a Master of Science degree from Rensselaer Polytechnic Institute. Nancy serves on Trinity College's Board of Trustees.

MORNING PRESENTER BIOS [continued]

Leigh Ann DeLyser

Leigh Ann is a lifelong advocate of computer science education. At CSforALL, Leigh Ann oversees research efforts and advises and implements programs that align with the organization's strategic goals. Leigh Ann is also a co-founder of the CSforALL Consortium, a national network of CS education content providers, school districts, education associations, and researchers devoted to the mission of CSforALL. Prior to joining CSforALL, Leigh Ann worked for 5 years expanding access to CS education for students in NYC, for 10 years as a HS CS teacher, served on the Board of Directors for CSTA, and earned her Ph.D. from Carnegie Mellon University in Computer Science and Cognitive Psychology, with a focus on CS education. Leigh Ann also co-authored the influential Running on Empty report, highlighting the lack of standards in CS education in the United States.

Estela Lopez

Estela López is Co-Chairperson of the Connecticut Board of Education. She was reappointed to the Board by Governor Dannel P. Malloy in February 2015, and was elected as Vice Chairperson of the Board in March 2017. In January 2015, Dr. López was appointed Interim Provost of the Connecticut State Colleges and Universities System, and served in that capacity through June 2016. Prior to that, she served as a senior associate with Excelencia in Education. She is the former vice chancellor of academic affairs of Connecticut State University, serving from 2002 to 2007. From 1997 to 2002, Dr. López served as provost and vice president for academic affairs at Northeastern Illinois University. Dr. López has received numerous awards, including the Connecticut Hispanic Bar Association 2008 Achievement Award and the 2006 Latina Citizen of the Year Award. She chairs the Board's Accountability and Support Committee and served on the Ad Hoc Committee on Accountability. Dr. López earned a bachelor's degree from Queens College, and both a master's degree and Ph.D. in Spanish literature from Columbia University.

Gary Mala

Gary S. Mala is the Executive Director of EASTCONN, one of Connecticut's six non-profit, Regional Educational Service Centers. He has 33 years of professional experience in public education. Gary Mala had served as the Superintendent of Avon Public Schools, Superintendent of schools in Regional School District 17 and Superintendent of schools for the Southwick-Tolland Regional School District in Southwick, Mass. He had also served as high school principal, elementary principal and pupil services director. Gary Mala has taught regular and special education at the elementary level and special education at the high school level. He completed his doctoral level work at both the University of Hartford and Nova Southeastern University, and has been a recipient of the Presidential Award of Achievement and the Presidential Award from the Connecticut Association of Public School Superintendents (CAPSS). Gary Mala is currently an adjunct professor in the Educational Leadership Department at Quinnipiac University, specializing in graduate level school finance. He has a strong record of advocating at the state legislative level on behalf of schools and communities, and was appointed to U.S. Rep. Elizabeth Esty's (5th District) STEM Advisory Council, serving as chairman of the Council's Education Subcommittee. He supports Computer Science for all students.

Jim Mersfelder

Jim Mersfelder is the President of Le Pecq, Inc, a strategic software business consulting practice focused on business process improvement in the financial services, health care, intelligence community and the public sector. He is also a member of the Board of Mutualink. Jim has over 45 years of experience as an executive and entrepreneur in software technology, electronics, and financial services. He has a record of accomplishment as an industry leader in conceptualizing and developing multi-million-dollar businesses while controlling costs and creating strong management teams.

Jennifer Michalek

Jennifer Michalek serves as Education Consultant at the Connecticut State Department of Education specializing in the area of mathematics and computer science. Prior to joining the Connecticut State Department of Education, Jennifer was a classroom teacher for 18 years, teaching courses in both disciplines. In 2012 she was recognized as Bristol's Teacher of the Year. Jennifer earned her B.S. in Mathematics and Computer Science with a minor in secondary education from Stonehill College in North Easton, MA. She went on to earn her M.A. in Special Education from Central Connecticut State University.

Ralph Morelli

Ralph Morelli is recently retired as Professor of Computer Science at Trinity College, where he taught computer science for more than 30 years. He is one of the co-creators of the Mobile CS Principles course, which began in 2011-2012 as an introductory course at Trinity and has evolved into one of the College Board-endorsed courses for the new AP CS Principles curriculum. In addition to his interest in CS education Ralph has done research in various CS disciplines, including artificial intelligence and cryptography. He believes that one of the best reasons to study computer science is to equip oneself with the knowledge and tools to create open source software solutions that benefit society.

Brenda Darden Wilkerson

Brenda Wilkerson is the President and CEO of AnitaB.org. AnitaB.org programs inspire technical women, foster community and provide tools to help them develop their careers. AnitaB.org provides resources and programs that help industry, academia, and government recruit, retain, and advance technical women in computer science and engineering to meet the growing global need for technology workers and increase technological innovation. AnitaB.org works with industry partners to make the global technology workplace more welcoming to women. Brenda was previously Director of Computer Science and IT Education for Chicago Public Schools (CPS). At CPS, Brenda founded the original "Computer Science for All" initiative, building computer science classes into the curriculum for every student. That program has touched the lives of more than 1.5 million students in Chicago and New York City, and attracted the attention of the Obama administration, which modeled some of its work on the Chicago initiative.

AFTERNOON PRESENTER BIOS

Jessica Barrett

Jessica Barrett is an Instructor in the Department of Computer Science at the University of Rhode Island. She earned her BS in Business Administration followed by an MBA from URI. She is the Program Manager of the department's K-12 CS Program as well as a core member of the state's CS4RI initiative. Jessica is the Code.org Regional Partner Program Manager at URI, serving RI and CT teachers in the Code.org programs including CS Fundamentals, CS Discoveries, and CS Principles. She has also trained many teachers to offer URI CS concurrent enrollment courses and regularly speaks to district leaders about CS pathways for their students.

Matt Brooks

K-12 Development Executive
Apple Inc.

Ellen Browne

Ellen Browne is a TI T3 (T-Cubed, Teachers Teaching with Technology) National Professional Development Instructor. Ellen teaches Math and Engineering at the Pomfret School and has presented numerous PD workshops locally and nationally in STEM and Computer Science.

Jackie Corricelli

Jacqueline Corricelli earned her B.A. in Mathematics and Statistics from the University of Connecticut and her M.S. in Mathematics Secondary Education at Westfield State University in Massachusetts. In 2013, she received the Presidential Award for Excellence in Mathematics and Science Teaching, the United States' highest honor for K-12 teachers of mathematics and science (including computer science). In 2017, she was one of just 10 teachers to be honored with the Computer Science Teaching Excellence Award. Jackie Corricelli teaches AP Computer Science Principles at Conard High School, West Hartford, Connecticut, and serves as an independent consultant to the College Board for the AP Computer Science Principles Course.

Seymour de Oliveira

Seymour de Oliveira has taught for nine years in the New London, Norwich, Groton, and Hartford Public school systems. He is currently the Computer Technology teacher at Great Path Academy where he has taught Mobile CSP for four years and is currently undergoing training to teach the Exploring Computer Science curriculum. Having just earned his 092 certification, he looks to complete his sixth year degree in late spring 2018.

Kelsey Derringer

Kelsey is a Professional Development Coordinator for BirdBrain Technologies. Kelsey is an experienced classroom teacher, working with students for over 15 years as an English teacher, after-school admin., and STEM educator. Kelsey has done workshops with hundreds of teachers, and makes learning interactive AND impactful!

Elizabeth Dillard

Elizabeth is a Computer Science teacher in the Robotics and Computer Science pathway at the CREC Academy of Science and Innovation. She earned her BA from Simmons College and an MBA with a concentration in MIS from Babson College. She has worked with the Mobile CSP team since its initial pilot project in 2010. She was a member of the first Mobile CSP Cohort in 2013. She became a Mobile CSP online mentor for high school teachers in 2014. She works with the National Math Science Initiative as an AP CSP mentor and a student study session mentor. She is a member of the CTCSTA board.

Melissa Fearington

Melissa Fearington teaches AP Computer Science A, AP Computer Science Principles, and Computer Science Principles at Simsbury High School in Simsbury, Connecticut. She has taught AP Computer Science A for the past nine years and CSP for four years. She has provided summer training as a Mobile CSP Master teacher and has presented at various conferences including CSTA and SIGCSE. As a second career teacher, she combines her experience in IT with her love of teaching to promote computer science education. She is a graduate of Clemson University with a BS in Computer Science and of UNC Charlotte with a Masters in Business Administration.

Seth Freeman

Seth Freeman is Professor and Program Coordinator of Computer Information Systems at Capital Community College in Hartford, CT. Seth is co-state lead of ECEP Connecticut and member of CTCSTA and the CT State Department of Education Computer Science Advisory Committee. In addition to promoting CS education across all educational levels, Seth engages with numerous community organizations to promote STEM, raise community awareness and effect positive community change.

Michelle Graveline

Michelle is a department supervisor for the West Hartford Public Schools. She oversees curriculum and instruction for secondary mathematics, statistics and computer science. Over the past several years, she has worked with teachers to develop a strong computer science program of course offerings. Her department is committed to raising awareness of the importance of computer science literacy for all students - current efforts focus on requirement of historically under-represented groups of students. The district's efforts were recognized by several awards sponsored by the Computer Science Teachers Association including 2016 Administrator's Impact Award and 2017 Excellence in Computer Science Teaching Award. She is happy to share this incredible journey with folks in other districts looking to launch or grow their STEM program.

Barbara Johnson

Barbara Johnson is a Library Media Specialist at Jack Jackter Intermediate School, teaching grades 3-5. She serves on the Board of Directors for CECA and VP of CASL. She has presented on the National Level at AASL and Tech&Learning Live, Boston.

Jeremy Keeshin

Jeremy Keeshin is the CEO and co-founder of CodeHS, a comprehensive online platform to teach computer science to high schools and middle schools. He is a leading expert in computer science education and education technology, and has visited over 150 schools for computer science all over the country. The CodeHS platform is now used by hundreds of thousands of students and is the largest platform for coding in high schools. He previously was a computer science student and teaching assistant at Stanford, helping to teach courses, manage the introductory program, and build tools before starting CodeHS.

Pauline Lake

Pauline Lake is the Mobile CSP project's Teaching Consultant. She supports the teachers in the classroom, helping with technical issues and with instruction. She is one of two full-time staff persons and is closely involved in all aspects of the project, including the curriculum, assessment, and PD. A 2013 graduate of Trinity College with a double major in Computer Science and Educational Studies and currently pursuing a Master's in Public Policy, Pauline has been teaching App Inventor to middle- and high-school students in the Hartford area since 2010. She also teaches the Computing with Mobile Phones course at Trinity College. Pauline has presented at various conferences nationwide including CSTA, SIGCSE, and ISTE.

AFTERNOON PRESENTER BIOS [continued]

Jamie Lang

Jamie Lang is a technology Education Teacher at South Windsor High School where he teaches AP Computer Science and Video Game Design. She has a Masters in Educational Technology from Boise State University and a M.S. in Curriculum and Instruction from Kansas State University.

Lisa Lassen

Lisa Lassen is the Content Coach for Computer Education for the Amity Regional School District. Previously, Lisa was an eighth grade math teacher. She has a master's degree in mathematics, a sixth year in educational leadership, and a minor in computer science. She is also a Google Level 2 Certified Educator. Lisa has a passion for all things STEM. In her current role, she works mainly with teachers on various ways to seamlessly integrate technology into their own teaching. Additionally, Lisa is the co-chair for the District Technology Committee.

Devin McLaughlin

K-12 Systems Engineer
Apple, Inc.

Scott Mongillo

Scott Mongillo is an avid tech enthusiast. He currently teaches in Region School District 13 as a Technology Literacy in grades 4-6. He seeks to include coding, robotics, and creative thinking into technology lessons.

Hope Mulholland

Hope is a Technology Integration Teacher at Norwich Public Schools. She is also a Google for Education Certified Trainer, and has presented at CECA and the EdTech Team's New England, Rhode Island, and Connecticut Google Summits.

Elizabeth Radday

Elizabeth Radday, EdD, is a research specialist at EdAdvance in Litchfield, CT. She has presented at NSF Conferences, the Learning Disabilities Association and the Fulbright Forum.

Kyle Schreiner

Kyle Schreiner is a Technology Education teacher at Freehold High School in Freehold, NJ. He was introduced to the UTeach CSP curriculum in Summer 2016 and began implementing the program at his school during the 2016-2017 school year. Last summer, he worked as an online teacher trainer for high school teachers across the country that were interested in learning more about the UTeach CSP curriculum. Beyond teaching the AP Computer Science Principles course, Kyle also teaches Video Editing & Media Production and an introduction to engineering course called Tech Design. Kyle lives in Hamilton, NJ with his wife, Karson, and their dog, Fritz.

Rachel Smith

Rachel Smith is a Computer Science Teacher at Newton Middle School. A teacher new to both middle school and CS has tried nearly everything-- from Ozobots to Code.org-- to find fun ways to teach her students the basics of CS. She has presented at the CECA/CASL conference as well as various PD events.

Suzanne Snow

Suzanne Snow is the Director for School Engagement with Project Lead The Way (PLTW), a non-profit that provides transformative learning experiences for K-12 students and teachers across the US. Suzanne works with schools across New England.

Mario Sousa-Pena

Mario Sousa-Pena teaches Biology and other Life Science subjects, as well as Exploring Computer Science at Bulkeley High School. He is trained in the Mobile CSP curriculum that is associated with the new College Boards AP Computer Science Principles exam. Mario is also training -- currently an apprentice -- to become an ECS Facilitator in Connecticut and train teachers to teach the course in their schools and districts. He is also focusing on bringing equity and expanding access in computer science education to underrepresented minorities, children with disabilities, and girls, as well as English Language Learners, for which he has translated several exercises and activities of the curriculum.

John Tusch

John Tusch teaches Computer Science Principles and Exploring Computer Science at Global Communications Academy in Hartford, CT. In addition to teaching CS, he carries certificates in English, Music, and Administration. He began teaching nearly three decades ago, so he was fortunate enough to witness the transforming effect of computers in education across the curriculum. John has taught English, Music and Theater, and has also taught gifted students. Before coming to Hartford, John spent five years running a small business in Fairfield, CT, where he saw the importance of computer science education in a real-world context. He lives in East Hartford with his daughter, and in his spare time, he is a web developer for small- to medium-sized businesses.

Chinma Uche

Chinma Uche teaches Mathematics and Computer Science at the CREC Academy of Aerospace and Engineering. She has a Ph.D in Biomathematics from Imperial College, London and holds a Connecticut Administrative license. Chinma is a strong advocate for #CSFORALL. Her many roles include serving as the President of the Connecticut chapter of CSTA, a 9-12 Representative at the CSTA Board, an ECEP Connecticut co-state Lead, co-PI of the Mobile CSP project, Code.org Fundamentals facilitator, a member of AP CSP Development Committee and a member of the Connecticut State Department of Education Computer Science Advisory Committee. She was named the 2015 CREC Teacher of the Year, a Woman of Innovation by the Connecticut Technology Council and a semi-finalist for the 2016 Connecticut Teacher of the Year award.

Kristin Yeakel

Kristin Yeakel is a library media specialist at Amity Middle School - Orange. For ten years prior to moving into the media center, Kristin was an eighth grade English teacher. She has a Master's degree in English, a Master's degree in Educational Technology with a cross-endorsement in School Library Media, and a minor in Education. She is also a Google Level 2 Certified Educator and is working toward becoming a Common Sense Media Educator. As a library media specialist, she manages the library collection, supports students with book selections, assists students with technology issues, and works with teachers to plan and co-teach lessons that integrate technology, teach technology skills, and instill digital citizenship. Additionally, Kristin is a Building Technology Coordinator and a member of the District Technology Committee.

James Veseskis

James Veseskis is a computer science teacher at Hartford Magnet Trinity College Academy who earned the NCWIT Educator Award for CT in 2018. James serves as the project coordinator for a Connecticut State Department of Education MSP grant in which teachers across the state are trained in the nationally recognized Exploring Computer Science curriculum. The main focus of the curriculum is to bring equity in computer science to underrepresented minorities, children with disabilities, and girls. James has helped train 55 teachers in 10 districts across 33 schools in Connecticut in the Exploring Computer Science curriculum. He has also provided over 30 school counselors in Connecticut an opportunity to be trained by the National Center for Women in Information Technology in guiding students toward a pathway in computer science.

CS4CT SUMMIT 2018 COMMITTEE CHAIRS

Seth Freeman Professor, Computer Information Systems Capital Community College	CS4CT Summit General Chair
Elizabeth Dillard Computer Science Teacher CREC Academy of Science and Innovation	Program Chair
Patrice Gans Executive Director/Founder Random Hacks of Kindness, Jr.	Recruitment Chair
Clint Kennedy Interim Executive Director of Technology Supervisor of Innovation and Magnet Program New London Public Schools	Administrative Advisor
Aline Nichols President & Executive Director Smart Start STEM International	Publicity Chair
Pauline Lake Teaching Consultant, Mobile CSP Trinity College	CTCSTA Vice President
Heather Sutkowski Computer Science Teacher CREC Montessori Magnet School	Vendor Chair
Norman Sondheimer, Ph.D. College of Computer and Information Science University of Massachusetts Amherst	Sponsorship Chair
Chinma Uche, Ph.D. Math and Computer Science Teacher CREC Academy of Aerospace and Engineering	Keynote Chair
James Vesekis Project Coordinator Exploring Computer Science Hartford Magnet Trinity College Academy	Local Arrangements Chair
Kristin Violette Computer Science Teacher Newtown High School	Events Chair

We would like to thank all the members of CTCSTA and others who assisted in the planning and implementation of the CS4CT Summit 2018.