UNK Tech EDGE 2019 Spring Conference  
Innovation, Technology and Computer Science in Education

**Saturday, February 9, 2019**

**7:30AM – 1:30PM**

UNK College of Education

**UNKTechEDGE**

Tech EDGE is FREE and open to educators, but registration is required. Register for Tech EDGE.

**WIRELESS ACCESS**
Username: unktechedge@unk.edu
Password: 362698

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**WELCOME**: Sheryl Feinstein, Dean College of Education

**KEYNOTE SPEAKERS**: Jennifer Rosato, Director, National Center for Computer Science Education. Chery Lucarelli, Facilitator of Educational Innovation, The National Center for Computer Science Education.

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**SCHEDULE OVERVIEW**

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**CONFERENCE PROGRAM:**
http://www.unk.edu/academics/coe/unk-tech-edge-conference.php

**REGISTRATION:**
https://cehs.unl.edu/tlte/techedge/registration-sp-2019/

For more info about Tech EDGE Conferences, visit https://cehs.unl.edu/tlte/techedge/
KEYNOTE SPEAKERS

Chery Lucarelli  
Facilitator of Educational Innovation  
The National Center for  
Computer Science Education

Professor and Chair of Graduate Education Programs, Dr. Lucarelli oversees several graduate education programs, including the nationally ranked online Master of Education program and the Graduate Teacher Licensure program at the College of St. Scholastica. Dr. Lucarelli is committed to supporting inclusive learning and work environments, believing they provide the best opportunity for innovation. Dr. Lucarelli is the PI on the TeachCS@CSS grant funded by Google and the Co-PI on a National Science Foundation CS10K grant to scale up CS teacher professional development by leveraging online communities of practice. She is an experienced K12 teacher and licensed school administrator. Her research interests include innovation in higher education, online learning, educational technology, teacher preparation and teacher professional development.

Jennifer Rosato  
Director  
The National Center for  
Computer Science Education

Jennifer Rosato leads programs at the Center, collaborating with staff and colleagues in the Schools of Business and Technology and Education. She has an undergraduate degree in Biochemistry from St. Scholastica and a Masters of Arts in Information Systems Management from Carnegie Mellon University. She is committed to involving more women and underrepresented minorities in the CS field, especially young women in middle and high schools as well as supporting K-12 educators to integrate and offer computer science in their classroom. She directs and consults on multiple grants from the National Science Foundation, Google, and Infosys Foundation, USA as well as serves on the CSTA Board of Directors.

CSforAll  
Students = CSforAll Teachers: Driving Educational Change

The CSforAll national movement calls out the need for computer science literacy for all K12 children. This work requires a focus on equity and broadening participation in computer science, which will not happen without the involvement of teachers. To accomplish this ambitious goal, we need to create supportive systems that enable CSforAll teachers. As part of our session, we will share key strategies and systematic change models that can facilitate professional development and coaching for preservice and inservice teachers, regardless of licensure area. If we want to create computer science educational experiences that are accessible to all K-12 students, we must create opportunities and environments that support teachers as well.
7:30 - 8:30 AM  Registration & Continental Breakfast  
College of Education Atrium

8:30 - 8:45 AM  Welcome  
Sheryl Feinstein, Dean College of Education  
COE Atrium

8:45 - 9:30 AM  Keynote Speakers  
Jennifer Rosato  
Director, The National Center for Computer Science Education  
Chery Lucarelli  
Facilitator of Educational Innovation,  
The National Center for Computer Science Education  
CSforAll Students = CSforAll Teachers: Driving Educational Change  

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9:45 - 10:30 AM  Session 1 A  
Beth Kabes  
Director, Blended and Distance Learning,  
ESU Coordinating Council  
Take a Look into a Blended Learning Classroom  

What’s is blended learning? How is it different than a traditional classroom? Beth will review three key steps to blending a classroom. She will be sharing examples and tips to start blending. Participants will want to bring a technology device and an open mind about change in your classroom.

10:45 - 11:30 AM  Session 2 A  
Matt Miller, PhD  
Assistant Professor, Cyber Systems, UNK  
Cybersecurity for every classroom  

This presentation will address different levels of computer science and cybersecurity learning activities for students from Kindergarten to 12th grade.

11:45 -12:30 PM  Session 3 A  
Chase Christensen, Overton High School  
Randa Felske, Cedar Hollow School  
Darren Hanson, Lexington High School  
Giving Your Students the EDGE with Computer Science  

In this fast-paced and fear-free session for teachers new to Computer Science, you will learn what CS is, why it is important, and how to easily incorporate lessons and activities into your daily curriculum. Appropriate for students and teachers of all ages and backgrounds, your classroom is ready for Computer Science!

9:45 - 10:30 AM  Session 1 B  
Brett Kluver  
Middle School Math and Reading, Gibbon Public Schools  
Management of Technology in the Classroom  

In this presentation, you will learn some tips for managing your classroom while your students use iPads, Chromebooks, laptops, etc. You will also learn about some of the tools that I use on a daily basis with my students to keep them engaged in their learning.
10:45 - 11:30 AM Session 2 B  Analisa McMillan  
Director, Distance Learning  
University of Nebraska Medical Center  
Peggy Moore  
Director of E-Learning University of Nebraska Medical Center  

Designing & Managing MOOCs  
Have you ever considered creating a MOOC? Are you a faculty member or an instructional designer interested in MOOCs? If so, then this session is for you! We will share our experiences in designing the UNMC MOOCs, as well as some of the lessons we learned along the way. In addition to the design stages, we will discuss how the UNMC faculty manage the delivery of their MOOCs on Coursera.

11:45 - 12:30 PM Session 3 B  Sherri Harms, PhD  
Dept. Chair, Cyber Systems, UNK  

CS in a Box  
The workshop introduces computational thinking, and the computer science big ideas of creativity, algorithms and programming through the use of the "CS in a Box" activities. Teachers will be introduced to several fun activities they can use in their own classroom, that do not require the use of a computer.

9:45 -11:30 AM Session 1 C & 2 C Jennifer Rosato  
Director, The National Center for Computer Science Education  
Chery Lucarelli  
Facilitator of Educational Innovation, The National Center for Computer Science Education  

Unplug It, Block It, & Build It: Computational Thinking in Action (Part 1)  
In this session, participants will have the opportunity to participate in fun and engaging hands-on experiences. They will be able to examine computational thinking and computer science concepts by actively participating in stations during the workshop session.

Unplug It, Block It, & Build It: Computational Thinking in Action (Part 2)  
This workshop is intended for teachers in any content field in grades K-12 who would like a hands-on introduction to the basics of computational thinking and computer science. It is also relevant for coaches or curriculum specialists who work with new CS teachers.

11:45 -12:30 PM Session 3 C  Noah Journey  
Secondary Ed, Pre Service Teacher, UNK  
Ashley Pachta, Elementary Ed, Preservice Teacher, UNK  
Martonia Gaskill, PhD, Assistant Professor of Education, UNK  

Put learning on the map with Google Earth, Tour Builder and other mapping tools from Google  
We live in the amazing Planet Earth! Google Maps are an excellent way to help students understand and explore our big world. With Google Maps and Tour Builder students can travel the world and explore the all the beauty and the amazing places on earth. In this session, UNK Pre-Service teachers will demonstrate how these tools work and ideas to integrate them into daily learning. You’ll learn how to use mapping tools to help students explore and travel to places without leaving the classroom.

12:30 - 1:30 PM Lunch
THANK YOU!
To learn about Tech Edge please visit 
https://cehs.unl.edu/tlte/techedge/

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Tech EDGE UNK Committee Members
Sherri Harms, UNK Computer Science
Guy Trainin, UNL Teaching, Learning & Teacher Ed
Chris Knoell, UNK Teacher Education
Tommy Hansen, UNK Teacher Education
Vic Young, UNK Teacher Education
Martonia Gaskill, UNK Teacher Education