



## Computer Science Education Panel

The first week of December is ACM's Computer Science Education Week -- and we are celebrating with a panel of local computer science educators.

### Topic 1: Computational thinking

What is computational thinking and why is it important to us? Arta Szathmary will take a look at the history and future of this topic – and how we can and should incorporate it into our classrooms. We want to engage students in both concepts and approaches, which will be necessary for them to become problem solvers in the 21st century. In this talk, Arta will show some of her favorite hands-on activities for the classroom.

### Topic 2: Simple software development in Python

Python is an increasingly popular language for “Computer Science 101” – and it really helps to get students motivated by building simple multimedia applications (games!) as well as simple numerical processing and data management. Rebecca Mercuri will talk about the PyGame library for multimedia applications and Jan Buzydowski will show off the NumPy and Pandas libraries, which enable a student to easily organize and analyze data.

### Topic 3: Computer Science in our local schools

NJ is on the cusp of becoming one of the national leaders in CS Education. Daryl Detrick will lead a discussion of the initiatives that are helping us ensure that all students in New Jersey have the opportunity to study Computer Science.

**Arta Szathmary** is a Professor Emeritus from Bucks County Community College and past President of PA4C, Community College Computing Consortium of Pennsylvania and Secretary of CSTA>>Philly. Arta is involved in STEM education -- Arta serves as member of the Curriculum Committee for TechGirlz.org and hosts STEMgirlz at Bucks County Community College for Middle School Girls.

**Jan Buzydowski** is an assistant professor in the Informatics Department within the School of Business at Holy Family University. Jan received his Ph.D. in informatics from Drexel University, and has degrees in mathematics, computer science and statistics.

**Rebecca Mercuri** is a visiting professor at Drew University and the head of Notable Software, a consulting firm specializing in computer forensics and security. Rebecca has a Ph.D. from the School of Engineering and Applied Science at the University of Pennsylvania

**Daryl Detrick** is a computer science teacher at Warren Hills Regional High School in Washington, NJ and past president of the Computer Science Teachers Association (CSTA) of Central NJ. He graduated from Cornell University with a degree in Civil and Environmental Engineering and Fairleigh Dickinson University with a Masters in Educational Leadership.

Date:	Thursday, December 7, 2017, 8:00 pm. (Refreshments and networking at 7:30 pm.)
Place:	Small Auditorium, Room CS 105 Computer Science Building, Princeton University
Information:	Dennis Mancl (908) 285-1066
On-line info:	<a href="http://PrincetonACM.acm.org">http://PrincetonACM.acm.org</a>

All Princeton ACM / IEEE-CS meetings are open to the public. Students and their parents are welcome. There is no admission charge, and refreshments are served.

A pre-meeting dinner is held at 6:00 p.m. at Ruby Tuesday's Restaurant on Route 1. Please send email to [princetonacm@acm.org](mailto:princetonacm@acm.org) in advance if you plan to attend the dinner.

