

# NJ-NExT Fall 2015

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Our series of NJ-NExT workshops concludes at the fall 2015 meeting.

## SCHEDULE

*NJ-NExT workshops will take place on the campus of Kean University (STEM Building) on Saturday 11/14.*

8:30 AM – 9:30 AM	Arrival and Breakfast	
9:30 AM – 9:40 AM	Welcome Address	
9:40 AM – 10:30 AM Auditorium	MAA Talk, Jana Gevertz	<i>Mathematical Oncology: Using Mathematics to Understand Cancer Progression &amp; Treatment</i>
11:10 AM – 12:00 PM Auditorium	MAA Talk, Hyman Bass	<i>Fewest Pieces of Cake, and Isoperimetric Square Tilings of Rectangles</i>
12:00 PM – 1:30 PM	Lunch	<i>Follow-up discussion on Active Learning, Inquiry Based Learning and Group Work</i>
1:30 PM – 2:45 PM Room 3-17	Workshop 1 (Part of MAA general meeting)	<i>Hyman Bass, “Connected Mathematical Thinking”</i>
3:35 PM – 4:25 PM Auditorium	MAA Talk Bahman Kalantari	<i>Polynomial Root-finding and Polynomiography</i>
4:30 PM – 6:00 PM Room 3-06	Workshop 2	<i>Vicki Kakounis, “Technology and the New Teaching Paradigm”</i>
6:00 PM	Dinner	

## **Workshop 1**

*Session:* Connected Mathematical Thinking

*Session Leader:* Hyman Bass (University of Michigan)

*Abstract:* The unity of mathematics is expressed through its rich network of connections. But the curriculum nicely organizes the subject into topic domains (arithmetic, algebra, geometry, calculus, statistics & probability, etc.) and this sometimes silos student thinking, which can inhibit seeing connections. I want to engage you in some problem solving activities that are designed to foster the discovery and use of (sometimes surprising) connections, across domains, and among different problems.

## **Workshop 2**

*Session:* Technology and the New Teaching Paradigm

*Session Leader:* Vicki Kakounis (Pearson Higher Education)