SmallTalk

SmallTalk is an informal colloquium series on topics related to Mathematics and Computer Science. Talks are limited to 30 minutes. Refreshments provided by the Mount MAA and ACM Student Chapters. For the Fall 2009 semester, talks are **Fridays at 2:00 in Coad Science 125,** unless otherwise noted.

Date	Speaker(s)	Title	Abstract
3/10/10*** Wednesday at 3:30	Alejandro Orellana	Fractals, Chaos, and Economics	I will give a conceptual overview of the concepts behind Fractal Geometry and Chaos Theory. Then we will see how these can help us understand complex systems such as the economy.
2/12/10	Melanie Butler	Rook Theory	We'll look at some introductory rook theory (a branch of combinatorics) and play with some fun examples.
2/3/10*** Wednesday at 3:30	Brian Heinold	Sine Waves, Sound, and Music	We see and hear sound waves from two and three notes played together, examining the difference between consonant and dissonant chords.
1/29/10	Scott Weiss	Play the game; Save the computer	The growing field of human computation features programs that recruit lots and lots of people to help solve problems that computers traditionally find difficult. We'll survey some of the work done, paying particular attention to "games with a purpose". And we'll play a little too.
12/4/09	Haley Blevins	XNA Uncovered:	To conclude a semester long senior project, the Zune

		A Zune Cookbook	cookbook is now complete. Come see the cookbook in action and what was involved in its creation.
11/21/09	Chris Lewis	L(2,1) Labeling & Divisor Graphs: Fun with Graphs	I'll introduce two topics of graph theory that can produce interesting generalizations for different types of graphs and apply them to a few specific graph types (including paths, stars, and firecrackers) to show how each works.
11/11/09*** Wednesday at 3:30 in Coad 125	Jackie Kearney	Investigating Contour Maps	I will look at contour maps that involve the floor and modulo functions and attempt to explain why they behave the way they do.
11/06/09	Kaitlyn Perry and Kristen Portalea	Skate your way to supersized math	Fun facts and gnarly puzzles to make your ordinary life EXTRAORDINARY! Brought to you by mind of (KP)^2.
10/28/09*** Wednesday at 3:30 in Coad 125	Joey Gannon	TI Calculator Programming	I will show the basics of how to program on the calculator, either by making programs to help in math class or making games. Then I will demonstrate a game that combines it all, which I made in 8th-9th grade.
10/23/09	Fred Portier	Sum of Sum of Sum….	Pascal's Triangle
10/2/09	Sean Gannon	Fractions Are Our Friends in Music	We will talk about how music and math are related.
9/25/09	Melanie Butler	Researching Interactive Computer Labs	We will discuss the effects of interactive computer labs on student achievement in a math class.
9/18/09	Brian	Some Unusual	We will look at some new and

	Heinold	Images	surprising mathematical pictures and how to create them.
9/11/09	Haley Blevins	Zooming in on the Zune	The history of the Zune and an introduction to basic gaming will be demonstrated with a sneak peek into the programming language XNA, a C# based code.