

MSCS Mess

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Tailgating Extravaganza!

Speakers:	The Best MSCS Ball Players
Date:	Tuesday, October 1st
Location:	RNS 150

Come one, come all to the most extravagant MSCS event of the year! It's a multimedia, multi-event, feast of information, entertainment, education, and actual food. You can come for all of it, or part of it. We'll have information tables outside Regents 150 beginning at 3:30pm, an entertaining and educational colloquium in RNS 150 4:30-5:30pm, and a cookout 5:30pm-??. You won't want to miss this tailgate. Rumor has it that there will be a t-shirt gun, but another rumor has it that this is a terrible lie. Which is true? You won't know unless you come to the colloquium! If you plan to eat dinner with us (brats, dogs, beans, slaw, chips, brownies, etc.), please sign up at bit.ly/16iQszK.

This Week's Seminar

Title:	Lipschitz Conditions and Differentiability
Speaker:	Bruce Hanson
Date:	Friday, October 4th
Time:	3:35 PM
Location:	RNS 204

About the Seminar: A continuous function $f : \mathbb{R} \rightarrow \mathbb{R}$ is a Lipschitz function if there is a constant $M < \infty$ such that $|f(x) - f(y)| \leq M|x - y|$ for all real numbers x and y . According to a well-known result of Rademacher every Lipschitz function is differentiable i.e. on \mathbb{R} . In other words, the set N_f of all points at which f is not differentiable is a set of

measure zero. In fact, given any set of measure zero $E \subset \mathbb{R}$ which is a $G_{\delta\sigma}$ set (whatever that means), it turns out that there is a Lipschitz function f such that $E = N_f$ (so E is the set of points at which f is not differentiable). I will look at some generalizations and variants of this phenomena involving tweaking the Lipschitz condition in various ways. It should be fascinating.

MSCS Pictures

This a reminder that Peder Bolstad is going to be taking pictures of any faculty and also of students with majors/concentrations in MSCS on Tuesday and Wednesday afternoons Oct 2nd & 3 from 2:00 to 4:00pm. To have your picture taken go to the Academic Support Center (ASC) in Buntrock (near the post office and print center) to be directed to the photo-taking location nearby (which will depend on weather). The pictures will be posted on the bulletin board in RMS on the 2nd floor.

MSCS Jokes

If you put a million monkeys at a million keyboards, one of them will eventually write a Java program. The rest of them will write Perl programs.

Q: How do you tell an extroverted mathematician from an introverted one?

A: An extroverted mathematician stares at *your* shoes when talking to you.

Being a statistician means never having to say you are certain.

Editor-in-Chief:	Josh Jacobson
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If you would like to submit an article or math event to be published in the Math Mess, e-mail jacobsoj@stolaf.edu