

# MSCS MESS

Department of Mathematics, Statistics, and Computer Science  
St. Olaf College, Northfield, MN 55057  
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	<b>Today's Seminar</b>
Title:	Past and Future Student Research in Linear Dynamics
Speaker:	Prof. Dave Walmsley
Date:	<b>Friday, April 15</b>
Time:	3:30pm
Location:	RNS 204

**About the talk:** It is an astonishing fact that there exists a function  $f$ , along with all of its derivatives, can generate every function you know and love from Calculus! Said a little more precisely, there exists a single function with the property that every continuous function on the unit interval is the (uniform) limit of a sequence of derivatives of this one function.

In the research area of linear dynamics, we focus not so much on this spectacular function but rather on the operation that produces it, which in this case is differentiation. In this talk, we will give an intermediate introduction to the research area of linear dynamics, with the ultimate goal of describing several projects St. Olaf students have recently worked on. We will also mention some future projects students may work on in this dynamic branch of analysis.

**About the speaker:** Dave went to college at St. John's University near his hometown of St. Cloud, Minnesota. He finished his graduate

work at Bowling Green State University in 2017 and has been teaching at St. Olaf ever since. He is a pizza enthusiast, amateur hiker, and at one point was a sponsored Halo: CE player. In his spare time, he enjoys spending time with his two young children and letting epsilon be greater than zero.

## Get Ready for the MSCS Recital!

The annual MSCS Recital is happening next **Wednesday, April 20 at 7pm in the Ytterboe lounge!** This recital is an annual recognition of the talents, of all types, of the members of the MSCS community. Anyone associated with MSCS - student or faculty - is encouraged to attend, or even perform! There will also be **homemade food offerings...** If you're interested in performing, or have questions, email **Steve McKelvey!**

(Ed. note: definitely consider showing off your talent. If you attend, you'll hear yours truly singing a couple duets...)

## MSCS Mess Seeking Editor

The MSCS Mess is seeking a new editor for next year, as the current editor is graduating soon! It's a very fun position, and if you're reading this, I highly encourage you to apply! Fill out **this Google Form** to apply, and please email **mcgowa2@stolaf.edu** if you have any questions.

*To submit an article, event, or anything else for publication in the Mess, email mcgowa2@stolaf.edu; to receive the Mess digitally each Friday, email habero1@stolaf.edu; visit <http://wp.stolaf.edu/mscs/mcs-mess/> for a digital archive of previous MSCS Mess issues.*

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