

MSCS MESS

Department of Mathematics, Statistics, and Computer Science
St. Olaf College, Northfield, MN 55057
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MSCS Colloquium

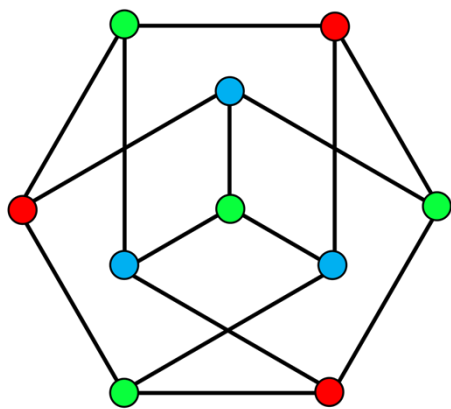
The Case of the Missing Vertex

Whom: Suzanne Dorée

Where: RNS 310

When: Monday, April 9th | 3:30 p.m.

About the talk: A vertex has gone missing in an un-labeled graph and taken all of its edges with it. Can we reconstruct the original graph, or at least some of its properties? What if we have the vertex-deleted graph for each of the vertices? Come join this mathematical investigation of the Graph Reconstruction Problem. This fanciful activity provides an introduction to Graph Theory and leads to an open question in the research. Bring a friend and writing utensil!



About the speaker: Suzanne Dorée is Professor of Mathematics and chair of the Department of Mathematics, Statistics, and Computer Science at Augsburg University in Minneapolis where she has taught since 1989. She earned her Ph.D. in Character Theory from the University of Wisconsin-Madison. Her research interests include curriculum and materials development and directing undergraduate research in graph theory. She enjoys teaching mathematics at all levels using pedagogies that support inquiry-based learning. An avid gardener, cook, and designer, she appreciates the importance of getting her hands dirty, and not just in mathematics.

PME Induction Lecture

The Math Behind Art

Whom: Kay Smith

Where: RNS 310

When: Tuesday, April 10th | 3:30 p.m.

Many of the artworks on the walls of RMS and in the hallways near math classrooms are based on mathematical concepts. In this talk we will explore some of those mathematical ideas and learn more about the artists and their work.

Refreshments provided!

All are Welcome!

CIR Speed Session

Where: RNS 207 & 210

When: Monday, April 9th | 7-8 p.m.

Come hear about fabulous research projects being completed this year in the Center for Interdisciplinary Research in 1 exciting hour. Each group will give a 4 minute oral presentation designed to pique your interest about how they are using statistics to address real research questions across a range of disciplines. You will be able to visit the posters of projects you wish to learn more about. Snacks will be served.

“The Effects of Conditioning Time on Ethanol-induced Conditioned Place Preference in Adult Mice”

Pony Ameri, Scott Johnson,
Thu Ha Nguyen

“Heart Attacks and Professional Networks: Effect of Provider Dynamics on Practice Style in Florida”

Quinton Neville, Charlotte Roiger,
Ly Trinh

“Modeling Geographic Variation in Milkweed Growth”

Mattie Johnson, Zoua Lor,
Sydney Povilaitis

“Healthy Aging and Feedback-based Learning: Assessing DRD2 Differences in Learning and Transfer”

Annika Awad, Simon Bergford

“The International Criminal Court’s Effectiveness in Colombia”

Clare Biedny, Nadia El Mouldi,
Jacob Gursky

“Distributions of Matching Distances in Topological Data Analysis”

So Mang Han, Taylor Okonek,
Nikesh Yadav, Xiaojun Zheng

MSCS Trivia Night!!!

Fame, glory, superfluous superiority; MSCS Trivia Night is upon us once again. If you’ve got the mathematical chops, team up and compete against students and faculty on *April 12th*, from 7-9pm on the *6th Floor RMS*. There will be food, fun, and bitter competition; don’t miss out!

MSCS Recital

Back by popular demand, on *Wednesday April 18th* come on down to *Ytterboe Lounge* to see the greatest show on earth: The MSCS Recital! The recital is an annual recognition of the wide range of talents represented in the MSCS community. Faculty and students will perform for a few hours starting at 7:00 p.m. Anyone associated with MSCS is welcome to attend, or better yet, participate with a talent. This is a fun, relaxed gathering of students and faculty and we sincerely hope you will join us. Murmurs around the department suggest there will be homemade food.

If you are interested in performing, feel free to contact Bob Eisinger at eising2@stolaf.edu.

Hope to see you all there!

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

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