

# MSCS MESS

Department of Mathematics, Statistics, and Computer Science  
St. Olaf College, Northfield, MN 55057  
November 10, 2017 | Volume 46, No. 9

## Monday's Colloquium

From Space Operas to Medical Residents:  
the Gale-Shapely Algorithm for Stable  
Matching

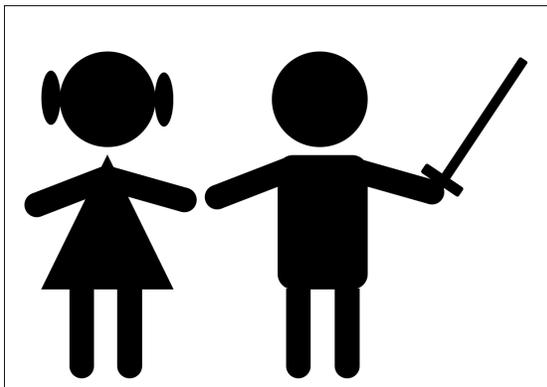
Whom: Lauren Milne

Where: RNS 310

When: Tuesday, Nov. 14th | 3:30 p.m.



**About the talk:** Every year, the National Resident Matching Program matches over 40,000 medical students to residency programs across the country. Matching residents to programs in such a way that both sides are happy is a complicated process, but there is a surprisingly simple algorithm behind it all. We will cover this algorithm (which contributed to a Nobel prize for one of its authors), and we may even encounter some nerf-herders and princesses along the way.



## Tuesday CS Seminar

Creating Touchscreen Tools for  
Children with Visual Impairments

Whom: Lauren Milne

Where: RNS 203

When: Wednesday Nov. 15th | 3:30p.m.

**About the talk:** From programming robots to teaching literacy, applications on touchscreen tablets such as iPads are becoming increasingly popular tools to teach educational concepts to children. This talk will cover my research on making these applications accessible for children with visual impairments, and how it fits into my broader research agenda: to work closely with people who are blind to discover and solve real-world accessibility problems that can be addressed with mainstream technology.

## Friday's Student Seminar

Modeling Vaccination Strategies to  
Control White-Nose Syndrome in Little  
Brown Bat Colonies

Whom: Eva Cornwel (St. Olaf)

RNS 204 | Friday, Nov. 17th | 3:40 p.m.

Mathematical Modeling of Oncolytic  
Virotherapy

Whom: Sawyer Jacobsen (St. Olaf)

& Marlyne Hakzimana (St. Olaf)

RNS 204 | Friday, Nov. 17th | ~ 4:10 p.m.

### Stat's Grad School Panel

Tuesday, Nov. 14, 7-8 pm

Regents Hall 207 (CIR Room)

Three Ole alum who are currently/ recently in graduate programs in statistics and biostatistics will provide insights and answer questions such as: *what is graduate school like? How does one choose a program? How does St. Olaf prepare you? What can one do with an advanced stats degree? and is it true they really pay you to go to grad school?*

#### Panelists:

**Joey Dickens '14**—PhD student in Michigan Statistics program

**Kiegan Rice '15**—PhD student in Iowa State Statistics program

**Karin Sather '15**—MS Student in Minnesota Biostatistics program

On behalf of Jane Nelson, the MSCS department is invited to the Flaten Art Museum's next exhibition, *Seeing Math*. The show brings together six contemporary artists, Daniel Dean, Tracy Krumm, Emily Lynch-Victory, Ben Moren, Margaret Pezalla-Granlund, and Roman Verostko, who address a number of mathematical concepts including infinity, algorithms, geometry, and the fourth dimension. The Opening Reception will be lively, fun, and with good food, so stop by!

### Math T-Shirt Design Contest!!!!

For those of you who have an especially calculated love for art, an arithmetically aesthetic sense of beauty, or just a cool idea for a t-shirt, this is the contest for you! Email a two-color max, short sleeve t-shirt design to [roiger1@stolaf.edu](mailto:roiger1@stolaf.edu) by **December 5th**. The winner will receive fame, acumen, acclaim, and be justly rewarded with a free t-shirt & Pause pizza.

### Flaten Art's *Seeing Math*

What: Opening Reception

Where: Flaten Art Museum

When: Friday, Nov. 10th | 5:30 p.m.

### Weekly Theorem

**Sheep Theorem**– Sheep commute to work.

**Proof.** - Sheep live in fields, hence they must be commutative.

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

Quinton Neville, Editor  
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