MSCS MESS

Happy Hispanic Heritage Month!

To honor the event, this week's issue of the MSCS Mess features a few influential mathematicians, statisticians, and computer scientists of Hispanic or Latino/a heritage. Also, keep reading through the last page for details on upcoming events in MSCS!

Rob Santos

Rob Santos attended San Antonio Community College and then Trinity University, then earned an MA in statistics at the University of Michigan. He is currently serving as president of the American Statistical Association. Santos is an expert in research design and survey operations and has done work in a wide range of policy areas, but his specialty areas include undocumented immigrants and other disadvantaged populations. (Source: Amstat News.)

Ruth Gonzalez

Ruth Gonzalez was raised in Texas by her parents, both Mexican immigrants. She received bachelor's and master's degrees from the University of Texas, then earned a PhD in applied mathematics from Rice University in 1986 - becoming the first U.S.-born Hispanic woman to earn a doctorate in mathematics. Dr. Gonzalez has spent much of her career developing seismic imaging tools, doing work that involves mathematical modeling and computational mathematics. (Source: Agnes Scott College.)

Héctor García-Molina

Héctor García-Molina lived in Mexico until moving to California to earn a master's degree and PhD at Stanford University. Following this, he taught at Princeton University and then returned to teach at Stanford. Dr. García-Molina produced important research in the way of databases and led the Stanford Digital Libraries Project, which contributed to the eventual founding of Google. He also served on the board of directors of Oracle Corporation for many years. (Source: Stanford News.)

Alicia Carriquiry

Alicia Carriquiry is originally a native of Uruguay. She came to the United States to earn an MSc degree in animal breeding from University of Illinois-Urbana, followed by an MSc in statistics and a PhD in statistics and animal genetics from Iowa State University. Dr. Carriquiry has served on the faculty in Iowa State's department of statistics since 1990, and directs a federally funded research center there. Her recent work has involved statistical learning algorithms and their application in various disciplines, particularly forensic science and criminal justice. Dr. Carriquiry will be visiting St. Olaf and Carleton as the invited speaker for Math Across the Cannon, October 11-13! Keep an eye on upcoming Mess issues for more details... (Source: Amstat News.)

Friday Research Seminar	
Title:	Clamped Subcategories in Auslander-Reiten Theory (Pt. 1)
Speaker:	Prof. Ryan Coopergard
Date:	**Friday, September 24**
Time:	3:30 PM
Location:	RNS 204

Friday Research Seminar	
Title:	Clamped Subcategories in Auslander-Reiten Theory (Pt. 2)
Speaker:	Prof. Ryan Coopergard
Date:	**Friday, October 1**
Time:	3:30 PM
Location:	RNS 204

About the talk: This is the first part of a two-part talk on clamped subcategories. In this talk we will go over some basics of representations of a finite category C, namely what they are, how to write them graphically, and what morphisms between representations look like. These representations form a category of representations of C, called Rep C. From there, we define the Auslander-Reiten quiver of Rep C, which is a beautiful combinatorial way to view Rep C in terms of its indecomposable representations. This will lead us into **next week's seminar...**

About the talk: In this second talk, we will talk about transporter categories, which combine the information of a poset and a group acting on the poset. We will identify a special subcategory called a clamped subcategory, whose Auslander-Reiten quiver relates nicely to the Auslander-Reiten quiver of the larger transporter category.

About the speaker: Prof. Ryan Coopergard is a St. Olaf grad and a recent University of Minnesota grad.

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/mscs-mess/*for a digital archive of previous MSCS Mess issues.*

David McGowan, Editor
Laura Boehm Vock, Faculty Adviser
Ellen Haberoth, Mess Czar