

# College of Science and Technology Programs

## SCIENCE OLYMPIAD

Science Olympiad is an international non-profit organization devoted to improving the quality of science education, increasing student interest in science, and providing recognition for outstanding achievement in science education by both students and teachers. These goals are accomplished through classroom activities, research, training workshops, and the encouragement of intramural, district, regional, state, and national tournaments. Science Olympiad tournaments are rigorous academic interscholastic competitions that consist of a series of team events, which students prepare for during the year.

These challenging and motivational events are well balanced between the various science disciplines of biology, earth science, chemistry, physics, and technology. There is also a balance between events requiring knowledge of science concepts, process skills and science applications.

## WOMEN IN MATHEMATICS, SCIENCE AND TECHNOLOGY CONFERENCE

The annual Women in Mathematics, Science and Technology Conference is sponsored by the Glenna Hazeltine Endowment, Phoenix Contact, Inc., and Millersville University. The purpose of the conference is to encourage girls in grades 7 through 12 to consider education and careers in mathematics and the sciences by giving them opportunities to meet with a variety of professional women role models.

## SUMMER SCIENCE TRAINING PROGRAM

The annual Summer Science Training Program (SSTP), sponsored by the College of Science and Technology, consists of a series of three-hour workshops covering a wide range of academic disciplines in mathematics, science, and technology. Workshops are taught by college faculty and feature intensive student/teacher interaction, advanced-level learning, research and problem-solving experiences for academically talented students entering 8th through 12th grade.

## SPOTLIGHT ON MATHEMATICS, SCIENCE AND TECHNOLOGY PROGRAM

The Spotlight on Mathematics, Science and Technology Program is designed to stimulate interest in mathematics, science, and technology among elementary and secondary school students. The program features presentations by University scientists and mathematicians, covering a variety of topics in biology, chemistry, earth sciences, engineering, geography, mathematics, nursing, and physics and may include scientific demonstrations, information on careers in science, or descriptions of our faculty members' research interests.

This is an ongoing program through the academic year and is voluntarily staffed by faculty members in the College of Science and Technology. There is no charge for the presentations. For more information, please contact the Office of the Dean, College of Science and Technology, at 717-871-4292.

For additional information on the College of Science and Technology programs, visit the college's web site at: [www.millersville.edu/cst](http://www.millersville.edu/cst).

# Millersville University

Millersville University is an Equal Opportunity/Affirmative Action institution.  
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36th Annual  
Brossman Foundation and  
Ronald E. Frisbie Sr.  
Science Lectureship



# GET IN THE GAME:

## MATH AND SPORTS ANALYTICS

Dr. Tim Chartier | Joseph R. Morton Professor of Mathematics and Computer Science

T H U R S D A Y

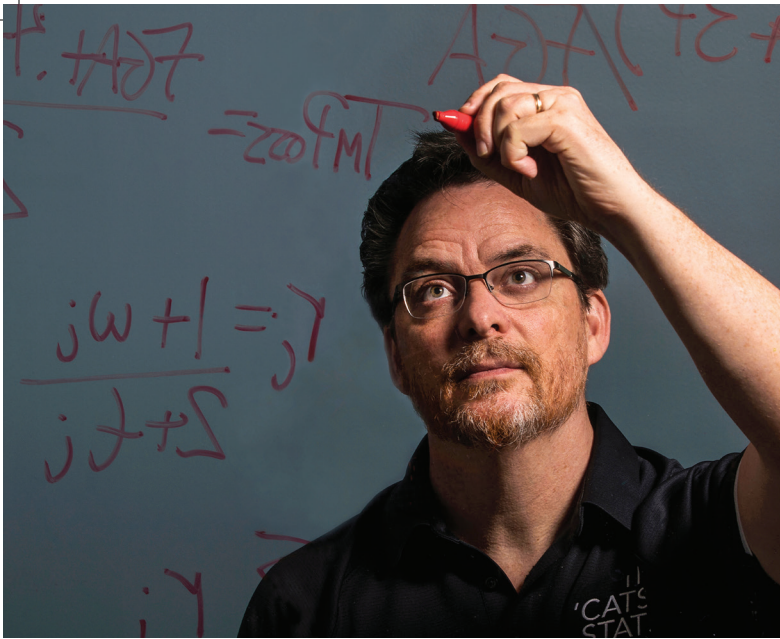
# 10/27/22

— 6:30 p.m. —

FREE PUBLIC PRESENTATION

Biemesderfer Concert Hall,  
Winter Visual & Performing Arts Center

# Millersville University



## Dr. Tim Chartier

### Professor of Mathematics and Computer Science

Dr. Tim Chartier is the Joseph R. Morton professor of mathematics and computer science at Davidson College who specializes in data analytics. He consults with ESPN, the New York Times, the US Olympic Committee and teams in the NBA, NFL, and NASCAR. Chartier has overseen a sports analytics group that can number upwards of one hundred student researchers each year who proudly supplies analytics to Davidson College's sports teams.

Beyond authoring books such as *X Games in Mathematics: Sports Training that Counts!*, Chartier has worked on Google and Pixar educational initiatives. His authorship, research, and scholarship have been recognized with national leadership positions in the Mathematical Association of America (MAA) and multiple awards, including an Alfred P. Sloan Research Fellowship, The MAA's SE Distinguished Teaching Award, and the MAA's Euler Book Award.

From March Madness to national media broadcasts, analytics are becoming increasingly indispensable. During his presentation this evening, Dr. Chartier will discuss outlooks that help with successful analytics, and the variety of questions which can be answered. Learn how to get in the game as a sports analyst!

Millersville University  
[millersville.edu](http://millersville.edu)

## Science Lectureship

Millersville University and the Mr. and Mrs. William F. Brossman Charitable Foundation present the 36<sup>th</sup> Annual Brossman Foundation and Ronald E. Frisbie Sr. Science Lectureship Program. The program includes a competitive examination for high school sophomore, junior and senior science, mathematics and technology students; laboratory demonstrations; a special afternoon lecture for selected elementary and middle school students; and an evening presentation by Dr. Tim Chartier.

The University wishes to acknowledge the daughters of Mr. and Mrs. William F. Brossman, the late Mrs. Emily B. Sprecher, Class of 1926, and the late Mrs. Anne B. Sweigart, for their support of this program. We also wish to acknowledge the late Mrs. Bertha Brossman Blair, Class of 1912, the founder of the Brossman Foundation and the trustee board of the Foundation under the guidance of Ephrata National Bank.

In addition, we wish to acknowledge the late Mr. Ronald E. Frisbie Sr. for his steadfast support of the Science Lectureship. Mr. Frisbie, a long-time executive at the Denver & Ephrata Telephone Company, was awarded the Millersville University President's Medallion in 2012. He was a member of the Lectureship Program Committee from its inception in 1985 until his passing and served for many years on the Advancement Advisory Board for the College of Science and Technology.

## Program Committee

Dr. Lyman Rickard,  
*Chair*  
Ms. Abby Alexander  
Dr. Angela Cuthbert  
Dr. Sam Earman  
Ms. Janice Estabrook  
Mr. Ron Frisbie Jr.

Dr. Tariq Gilani  
Dr. Nazli Hardy  
Dr. Marc Harris  
Ms. Lynnea Holler  
Dr. Brent Horton  
Dr. Alex Johnson  
Dr. Baoling Ma

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The Mr. and Mrs. William F. Brossman Charitable Foundation

### ADMISSION

Tickets are **free** and may be reserved by contacting:

 [millersville.edu/smc/ticket-office](http://millersville.edu/smc/ticket-office)  **717-871-7600**

For more information about this event, please call **717-871-4292**.