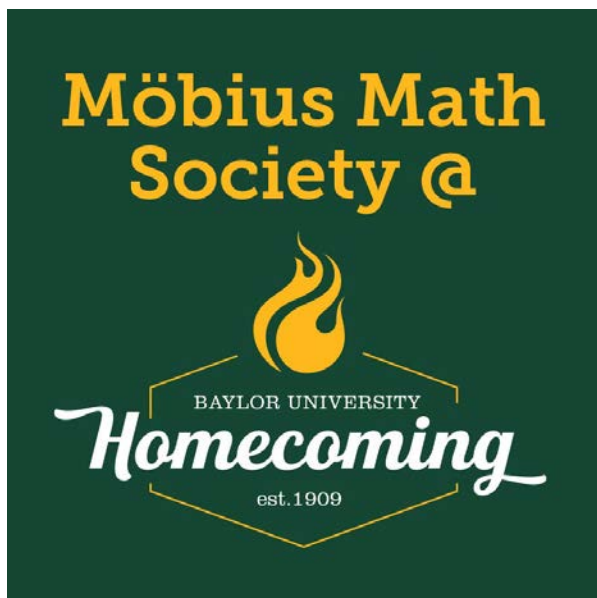# Newsletter June 2022

Mobius Math Society at Baylor Homecoming

Members of the Mobius Math Society got up early to take part in Baylor's historic Homecoming parade. Society members hope to make participation in the parade an

Colloquium Presentation by Dr. Annalisa Crannell (Franklin and Marshall College)

Dr. Annalisa Crannell, Carmie L. and Beatrice J. Creitz Professor of Mathematics, of Franklin and Marshall
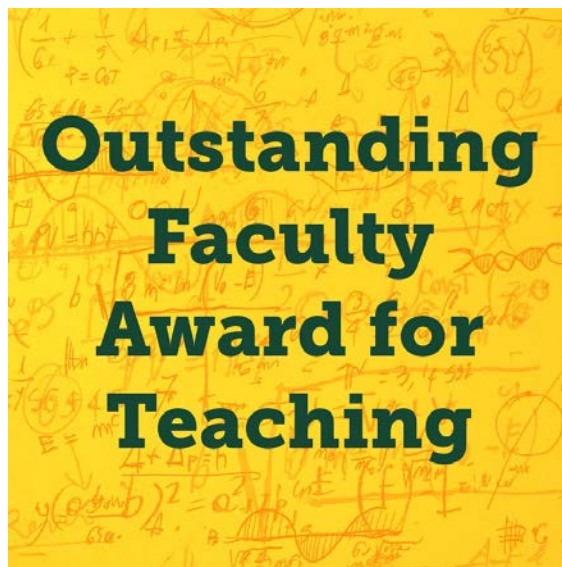
ongoing tradition. Continue reading to hear about the experience from a few of the participants.

College presented a talk entitled "Drawing conclusions from drawing a square"

Message from the Chair

Catch up on news from the Mathematics Department as Dr. Dorina Mitrea reflects on the 2021-2022 academic year.
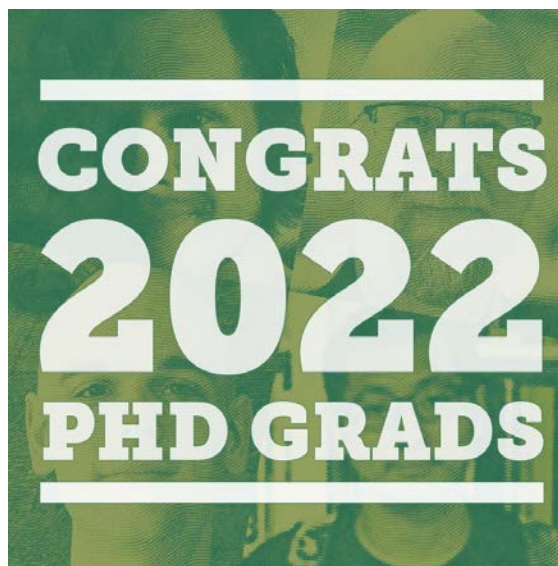

Dr. Tommy Bryan Honored with Outstanding Faculty Award for Teaching

The Mathematics Department's Tommy Brian was among 11 other faculty from all around campus to receive an award for outstanding faculty in either teaching, scholarship, or contributions to the academic community for the 2021-2022 academic year. Tommy was honored for his excellent teaching.
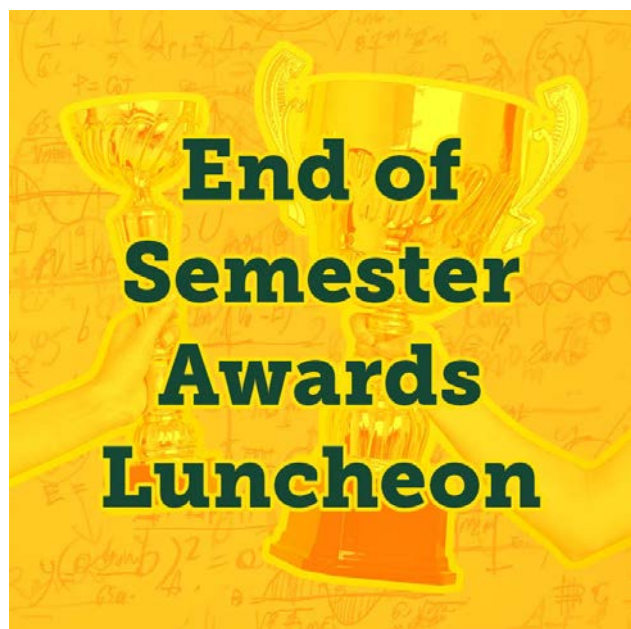
Baylor Analysis Fest: From Operator Theory to Orthogonal Polynomials, Combinatorics, and Number Theory

The Mathematics Department hosted this event on the Baylor University campus and virtually during May 23-May 27, 2022.

Congratulations to Our 2022 PhD Graduates!

Congratulations to our 2022 PhD graduates, Larry Allen, Chian Chua, Henry Ickes, Alan Mullenix, Mads Reynolds, and Jonathan Stanfill. Several of this years graduates share about their time at Baylor and their plans for the future.

Baylor hosts 85th Midwest PDE Seminar

The Mathematics Department hosted the 85th Midwest Partial Differential Equations Seminar during April 29-April 30, 2022, on the Baylor University campus. This is a long-running series, going back to 1977, aimed primarily at showcasing the latest developments in the field of partial differential equations and related areas.

Spring 2022 Luncheon and Award Presentations

At the end of the Spring 2022 semester, the math department came together to share a meal and honor our excellent undergraduates, graduate students, and graduating PhDs.

Celebrating Kathy Hutchison's Time at Baylor

Baylor University will soon be saying farewell to a cornerstone member of its math department. Kathy Hutchison, a Senior Lecturer, will be retiring this May.

Dr. Jameson Graber Shares About Earning an NSF CAREER Award

Dr. Jameson Graber, a Baylor math faculty member, shares his mathematical journey and his path to earning an NSF CAREER award.

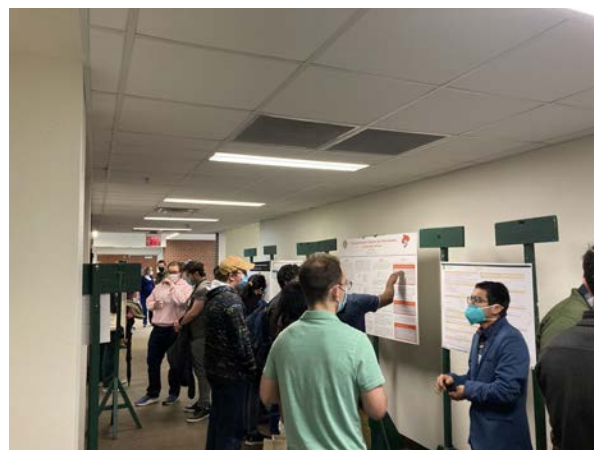## Celebrating Professor Manfred Dugas' 70th Birthday

On Friday, April 22, 2022, friends and faculty of the Baylor Mathematics Department gathered to celebrate the 70th birthday of Dr. Manfred Dugas, his scientific achievements, and his 35 years of service to our Baylor Department of Mathematics. On this festive occasion, Dr. Kulumani Rangaswamy (University of Colorado, UCCS) shared about Manfred's life, his widespread career in algebra, and his prolific research contributions to realization theorems.

Dr. Alexandra Pasi Talk: Advancing Your Career in Industry with the Art and Science of Mathematical Story-Telling

After receiving her PhD in Mathematics from Baylor University, Dr. Lexi Pasi co-founded Lucidity Sciences, a scientific and technical consulting firm that designs, builds, and implements custom analytics solutions for organizations across a variety of industries. Dr. Pasi returned to Baylor to give a talk with the message that "Mathematicians in corporate and industry positions must learn to embrace their role as mathematical story-tellers".
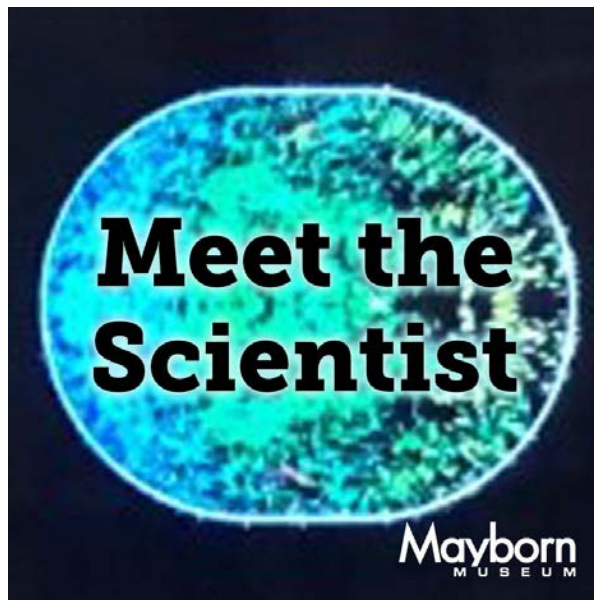
Baylor hosts 2022 Spring Topology and Dynamics Conference

The NSF-supported 55th Spring Topology and Dynamics Conference was held on Baylor Campus March 9th through March 12th. This conference series brings together a broad cross-section of topology researchers, featuring sessions on continuum theory, dynamical systems, geometric group theory, geometric topology, and set-theoretic topology. Almost 200 attendees and invited speakers from more than 20 different countries participated in the conference. More information, including abstracts of talks, can be found at the conference webpage.

Baylor hosts 2022 Southwest Local Algebra Meeting (SLAM)

Our Baylor Department of Mathematics hosted the 2022 Southwest Local Algebra Meeting on February 26 and February 27. About 60 participants traveled to Waco to hear leaders in the field of Algebra on their recent research. The speakers were Mirela Çiperiani (UT Austin), Charles Conley (UNT), Ken Goodearl (UC Santa Barbara), Amy Huang (Texas A&M), Jonathan Montaño (NMSU), and our own Manfred Dugas (Baylor). In addition, graduate students from the Southwest region presented their work during poster sessions of the conference.

2021 Baylor Putnam Team

On Saturday, December 4, 2021 seven Baylor students participated in the William Lowell Putnam Mathematical Competition. On a typical year, over 4000 students representing over 500 colleges and universities in the United States and Canada take the Putnam Exam. Known as one of the most difficult mathematical exams worldwide, on many years the median score is 0!

Meet the Scientist: Dr. Jon Harrison Shares About Quantum Chaos at the Mayborn Museum

On Saturday December 4 there was the chance to meet a mathematician at the Mayborn Museum. Dr Jon Harrison from the department was talking to visitors about quantum chaos and its connections to slinkies, Facebook, billiards and internet security.

Celebrating Professor Lance Littlejohn's 70th Birthday

A brief portrait of the man and the mathematician. On Friday, November 12, 2021, friends and faculty of the

Baylor Mathematics Department gathered to celebrate the career of Dr. Lance Littlejohn. Dr. Fritz Gesztesy shared about Lance's life and mathematical journey from childhood to college years and beyond.

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