

# Events

## Research

- [Seminars and Colloquium](#): we organize seven seminar series in the areas of algebra, arithmetic, analysis, combinatorics, topology/geometry, statistics, and data science, along with the colloquium series which features expository lectures accessible to a broader audience, especially the graduate students.
- [BUGCAT](#) (Binghamton University Graduate Combinatorics, Algebra, and Topology Conference): Since 2013, our graduate students have organized an annual research conference every November. This event provides a platform for graduate students of all levels to present their research and engage with the academic community. Faculty members are also invited to register and give talks, fostering an environment of collaborative learning and knowledge sharing.
- [Zassenhaus Conference](#): Binghamton University hosts the Zassenhaus Conference every two years on odd years. Founded by Hans Zassenhaus in the 1960s, this conference series provides a forum for mathematicians to discuss their work and collaborate. Over the years, it has evolved but continues to bring together group theorists, universal algebraists, loop theorists, combinatorialists, and other researchers to talk about mathematics at the Zassenhaus Groups and Friends Conference.
- [Hilton Memorial Lecture](#): This lecture series was established in memory of Peter Hilton (1923-2010), a distinguished member of the Binghamton Mathematics Department from 1982 until his passing in November 2010. An internationally renowned mathematician, Hilton played a significant role in the code-breaking operations at Bletchley Park during World War II, working alongside Alan Turing. His research contributions spanned topology, homological algebra, elementary number theory, combinatorics, and polyhedral geometry. Additionally, he made substantial contributions to mathematics education at all levels.

## Problem Solving

- [Problem of the Week](#): Every other week, we post a problem to engage our mathematical community in the problem-solving activity and to enjoy mathematics outside the classroom. Students (both undergraduate and graduate) are particularly encouraged to participate, as there is no better way to practice math than working on challenging problems.
- [Putnam Competition and Problem-Solving](#): The William Lowell Putnam Mathematical Competition is the preeminent undergraduate mathematics competition in the United States and Canada. Teams from Binghamton University have participated in the Putnam Competition and [received good results](#) in recent years. Informal problem-solving sessions are held for students to meet, discuss, and practice their skills (see Prof. [Alexander Borisov](#) for details).

## Student Organizations

- [BingAWM](#): The Binghamton Chapter of the Association for Women in Mathematics (AWM).
- [Math Club](#): The Math Club organizes speaker series, problem-solving sessions, integration bee contest,

course open house, and REU information sessions.

- **Actuarial Association:** The Actuarial Association provides resources and information that allow students to gain knowledge, skills, and experience with respect to actuarial science.

From:

<http://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics,  
Binghamton University**

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Last update: **2024/07/12 19:33**