Opportunities for Undergraduates in Mathematics

Conferences

ASPiRE (Advancing Student Participation in Research Experiences) – https://www.fgcu.edu/cas/departments/math/aspire/
- An annual conference held at Florida Gulf Coast University each February to "educate students about what it means to do mathematics research and inform them of research opportunities"

GROW Conference – https://www.imsi.institute/grow/
- A conference "intended to provide support and encouragement to undergraduate students considering going to graduate school in the mathematical sciences and to help build a profession in which gender identity is not a barrier to participation"

Joint Mathematics Meeting (JMM) – https://jointmathematicsmeetings.org/jmm
- This is a national conference organized by the American Mathematical Society (AMS), and is the largest mathematics conference worldwide; it is usually held in early January with rotating locations
- There are many opportunities for students to present work:
  - AMS Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs (20-minute talks)
  - Pi Mu Epsilon (PME) Contributed Paper Sessions (10-minute talks)
  - AMS-PME Student Poster Session
- There are also travel grants for undergraduates
- *Deadlines to submit talks and apply for funding are often quite early, around August-September, so be sure to look out for these!*

MAA MathFest – https://maa.org/event/mathfest/
- This is the annual meeting of the Mathematical Association of America (MAA), usually held in late summer; probably the second largest annual mathematics conference in the United States after the JMM
- There is an undergraduate student poster session and a travel grant for students from historically underrepresented groups in mathematics who are presenting research
- *Deadlines to submit talks and apply for funding are often quite early, so be sure to look out for these!*

MAKO Undergraduate Mathematics Research Conference – https://math.missouristate.edu/MAKOcomp.htm
- Held annually for students in Missouri, Arkansas, Kansas, and Oklahoma

NAM Undergraduate MATHFest – https://www.nam-math.org/NAM-mathfest
- A three-day conference held by the National Association of Mathematicians (NAM), typically in the fall, geared towards undergraduates attending Historically Black Colleges and Universities; location rotates each year

Nebraska Conference for Undergraduate Women in Mathematics (NCUWM) – https://math.unl.edu/ncuwm
- Annual conference held at the University of Nebraska-Lincoln, usually in early spring, which "provides role models, insider knowledge, opportunities to present undergraduate research, and a growing community of peers interested in issues related to creating a supportive environment for women in mathematics"

OURFA^{2}M^2 (Online Undergraduate Resource Fair for the Advancement & Alliance of Marginalized Mathematicians) – https://www.ourfa2m2.org/
- An annual virtual resource fair for students, by students

Rose-Hulman Undergraduate Mathematics Conference – https://www.rose-hulman.edu/class/ma/web/mathconf/Archives/archives.html
- A yearly conference held at Rose-Hulman Institute of Technology in Indiana

SUMS Conference – https://www.jmu.edu/mathstat/sums/index.shtml
- A yearly conference held at James Madison University in Virginia

SUnMaRC Conference – https://www.sunmarc.org/southwestern-undergraduate-mathematics-research-conference
- Annual conference for undergraduate students located in the southwest; rotating locations

Troy MathFest – https://www.troy.edu/academics/colleges-schools/college-science-engineering/departments/school-science-technology/mathematics-department/mathfest/index.html
- An annual conference held at Troy University in Alabama

UnKnot Conference – https://sites.google.com/view/unknot-v-conference/
- An undergraduate knot theory conference held every few years in various locations

WIMIN (Women in Mathematics in New England) – https://www.science.smith.edu/wimin/
- A yearly conference taking place at Smith College in Massachusetts

Young Mathematicians Conference – https://ymc.osu.edu/
- An annual conference for undergraduate students held at The Ohio State University

Programs

Budapest Semesters in Mathematics (BSM) – https://budapestsemesters.com/
- A study abroad program in Budapest offering advanced mathematics courses, with opportunities in the fall, spring, and summer semesters

Enhancing Diversity in Graduate Education (EDGE) – https://www.edgeforwomen.org/
- A summer bridge program for women who are entering or have just finished their first year of graduate school; location changes each summer

MSRI Undergraduate Program (MSRI-UP) – https://www.slmath.org/msri-up
- A summer research program aiming to identify and serve talented students from groups underrepresented in the mathematical sciences

PCMI Undergraduate Summer School – https://www.ias.edu/pcmi
- A three-week residential summer school in Park City, Utah; topic changes each summer
- Along with the Undergraduate Summer School there are programs running for graduate students and faculty each summer, so this is a great opportunity to meet and mingle with other mathematicians at all levels

Research Experiences for Undergraduates (REU) Listings

The AMS's REU Page – https://www.ams.org/learning-careers/students/emp-reu

Math REU Programs – https://sites.google.com/view/mathreu/

The NSF's REU Page – https://www.nsf.gov/funding/initiatives/reu/search

Graduate School Information

The AMS's Grad Programs Page – https://www.ams.org/find-graduate-programs

Math PhD Programs GRE & Qual Requirements –
https://docs.google.com/spreadsheets/d/1hmdO7af3-lLvtJQO-szayG6blTvAYBQ1JcYXFZ_6apE/

Other Things!

Pi Mu Epsilon – https://pme-math.org/
- U.S. honorary national mathematics society