



PRESS RELEASE

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Tatiana Toro Named 2023 AWM-MAA Etta Zuber Falconer Lecturer

In recognition of her distinguished contributions to mathematics and mathematics education as well as her skill in delivering expository lectures, the Association for Women in Mathematics and the Mathematical Association of America are pleased to announce that the 2023 Etta Zuber Falconer Lecturer will be **Dr. Tatiana Toro**, Director of the Simons Laufer Mathematical Sciences Institute (MSRI/SLMath) and Professor of Mathematics at the University of Washington. The Falconer Lecture will be delivered at the MAA MathFest, to be held in Tampa, Florida, from August 2 – 5, 2023.



variations to study the regularity of problems which do not have an underlying energy/variational structure (e.g. free boundary problems for harmonic measure).” It is also noteworthy that she has had 24 coauthors and 44 peer-reviewed publications, and her research has been continuously supported by the National Science Foundation since 1994.

Known as a clear and entertaining communicator, Toro has presented numerous invited lectures, conference presentations, and seminar talks. She was an invited speaker at the 2010 International Congress of

Mathematicians in India, gave the inaugural AMS Mirzakhani Lecture at the 2020 JMM, presented the 2020 Blackwell-Tapia prize lecture at the 2021 conference, and also gave the NAM Claytor-Woodard Lecture at the 2016 JMM.

Citation: Toro earned a B.Sc. in mathematics from the Universidad Nacional de Colombia, Bogotá, and an M.Sc. and PhD in mathematics from Stanford. After a year at the Institute for Advanced Study and faculty positions early in her career at UC Berkeley and the University of Chicago, Toro has spent her career at the University of Washington where she serves as Professor of Mathematics. Toro will continue her tenure there during her five-year term, from August 1, 2022, as Director of MSRI/SLMath. She has also been a Fellow at the Radcliffe Institute for Advanced Study and a visiting professor at Harvard and at University College, London. Widely recognized for her contributions and service to mathematics, Toro is a member of the American Academy of Arts and Sciences and a Fellow of the American Mathematical Society.

Toro has mentored many mathematicians, including 8 PhD students and 6 postdocs. Recently awarded the University of Washington Marsha L. Landolt Distinguished Graduate Mentor Award for excellence in mentorship, Toro’s mentees speak highly of her support and of her care in crafting mentor-mentee relationships built on a ‘balance of challenge and trust’. Toro is an active member of the professional mathematics community; she has served on numerous boards and committees for the AMS, AWM, PIMS, IPAM, and BIRS. She is committed to expanding access to mathematics for under-represented groups through her service on national committees for increasing racial/ethnic and gender diversity in mathematics and her leadership of the Latinx in the Mathematical Sciences conferences. Professor Toro has demonstrated, and continues to demonstrate, excellence in mathematics research, teaching, and outreach, and we are pleased to name her the 2023 Etta Z Falconer Lecturer.

Toro is a high-caliber researcher. As noted in her online biography at the AWM Mathematicians of EvenQuads Deck 1, “Toro’s research bridges geometric analysis and the calculus of variations on one side and harmonic analysis and the geometry of measures on the other. In particular, she is a leading expert in using ideas rooted in the calculus of

The Falconer lectures were established in memory of Etta Zuber Falconer (1933–2002). Her many years of service in promoting mathematics at Spelman College and efforts to enhance the movement of minorities and women into scientific careers through many forums in the mathematics and science communities were extraordinary. Falconer lecturers are women who have made distinguished contributions to the mathematical sciences or mathematics education.

Association for Women in Mathematics

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