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November 20, 2017

Hiring Committee
Department of Mathematics
Australian National University
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To the Hiring Committee:

In regard to the selection criteria for the MSI Fellowship, I expect to receive a PhD in Mathematics from Texas A&M University by May 2018. I have two recent mathematical publications submitted, one for which I am the sole author, and one with multiple collaborators. I have also given four conference presentations at AMS Sectional Meetings.

In regard to attracting external funding for collaborative research, I was funded to attend the Mathematical Research Community (MRC) in Homotopy Type Theory last summer. I also recently received funding to attend the School and Workshop on Univalent Mathematics in Birmingham, UK. This summer I co-organized a seminar on Quantum Information Theory with Michael Brannan and Julia Plavnik.

In regard to teaching, I have been the sole instructor of record for a Calculus course. I have also mentored undergraduate students in an NSF-funded Research Experience for Undergraduates. I have also been the teaching assistant for a variety of courses, from multivariable calculus to algebraic topology.

My collaborators include Eric Rowell and Julia Plavnik at Texas A&M University, and Paul Bruillard at Pacific Northwest National Laboratory. I have also worked with many people on (variants of) homotopy type theory, including Dan Licata and Guillaume Brunerie.

I am committed to recruiting and retaining underrepresented groups in mathematics, both in collaborative research and in teaching. Everyone should have the opportunity to learn and participate in mathematics, regardless of race, ethnicity, gender, personality, and socioeconomic and educational background.

Sincerely yours,
Paul Gustafson
Texas A&M University