

Matthew Parno

Graduate Institution: Massachusetts Institute of Technology

Graduate Discipline: Computational Engineering

Hometown: Lino Lakes, MN

Relevant SC Research: Advanced Scientific Computing Research



Research Interest:

My current research focus is on large-scale and multiscale Bayesian inference with applications to hydrology and snow acoustics. Along these lines I am looking into differential geometric insights into Bayesian inference with hopes that this view will lead to efficient sampling algorithms for solving static and dynamic Bayesian inference problems.

About Me:

In the past I have been involved with student chapters of SIAM at both Clarkson University and MIT. During my undergrad years I was also very active in academic outreach programs in upstate New York, primarily focusing on Mathcounts and IMPETUS (a STEM outreach program for underprivileged kids in St. Lawrence county). My research has pushed these activities to the back burner but I hop to become active in outreach again after graduation. Over the last several summers, I have had

a few internships at Sandia National Laboratories and a research position at Colorado State University where I was working on real-time solutions to inverse problems in radar systems.

Outside of academics and the professional world, I love to trail run, backcountry ski, and kayak. As a runner I am not very fast, but I did complete the 2010 LeanHorse 100 mile UltraMarathon in South Dakota. Before venturing into academics I was a river guide in Colorado and upstate New York.



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