![University of Maryland logo] **BRIN MATHEMATICS RESEARCH CENTER**

Summer School: Scientific Machine Learning

August 4-8, 2025

The school will aim to familiarize participating students with state-of-the-art machine learning tools and frameworks, focusing on deep learning, to address challenges in computational mathematics and engineering. It will emphasize the theory and analysis of these methods, their practical implementation, and their effectiveness in solving real-world problems. The event will feature talks by leading experts, provide opportunities for student engagement, and include mentored small-scale SciML projects that culminate in student presentations. To prepare participants, online tutorials on foundational SciML topics will be offered from July 28–August 1.

Organizers

Ke Chen, University of Delaware
Ling Liang, University of Maryland
Deep Ray, University of Maryland
Haizhao Yang, University of Maryland

Speakers

Nicholas Boffi, Carnegie Mellon University
Benjamin Grimmer, Johns Hopkins University
Shirley Ho, New York University
Wuchen Li, University of South Carolina
Lu Lu, Yale University
Yulong Lu, University of Minnesota
Romit Maulik, The Pennsylvania State University
Yifei Mo, University of Maryland
Assad Oberai, University of Southern California
Tan Bui-Thanh, University of Texas at Austin
Yixin Wen, University of Florida
Kaiqing Zhang, University of Maryland

Application Deadline:
March 1, 2025
https://www.mathprograms.org/db/programs/1720

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