UNIVERSITY of WISCONSIN
UWMILWAUKEE

Department of
Mathematical Sciences

Colloquium
Dr. Kathryn Lindsey
Assistant Professor of Mathematics

Boston College

Friday, September 17th, 2021 @ 2:00pm

Online via Microsoft Teams

Dr. Kathryn Lindsey

UW-Milwaukee Department of Mathematical Sciences

EMS Building, Room E403 3200 North Cramer Street Milwaukee, Wisconsin 5321 414-229-4836

The mathematics of neural networks

Neural networks are a powerful and extensively used tool in machine learning. However, many fundamental questions in the mathematical theory underpinning the use of neural networks remain open. This talk will introduce neural networks from a theoretical, mathematical point of view, survey some known results, and outline some open questions about the mathematical foundations of the theory of neural networks.

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