



北京理工大学

数学与统计学院学术报告

The mathematics of Sustainable Development

报告人: Luis Seco (University of Toronto)

时间: 2026.3.16. 16: 00-17: 00

地点: 文萃楼E708

摘要: Machine learning and artificial intelligence are bringing mathematics into a golden age where we can tackle problems of extreme complexity. In this talk I will present a mathematical framework arising from the 17 sustainable development goals of the United Nations.

报告人简介: Professor Luis Seco, Director of the Mathematical Finance Program, University of Toronto. Professor Luis Seco is a leading scholar in quantitative finance and risk management. He is a Professor of Mathematics at the University of Toronto and Director of the Master of Mathematical Finance (MMF) program. In 1996, he founded RiskLab, a research laboratory dedicated to bridging academic research and industry practice in asset management.

His current research focuses on the integration of artificial intelligence with sustainability and climate risk. He serves as Chair of the Centre for Sustainable Development at the Fields Institute and is an affiliate faculty member at the Vector Institute for Artificial Intelligence. In 2022, he was appointed an ADIALab Fellow in recognition of his work on climate risk and machine-learning-based analysis of carbon emissions.