

# 第 57 回 RESCEU コロキウム



東京大学大学院理学系研究科 附属ビッグバン宇宙国際研究センター

日 時: 2023 年 9 月 28 日(木) 13:00 ~14:00

場 所: 理学部 1 号館 207 室・Zoom (ハイブリッド)

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## Artificial Intelligence and Machine Learning in Astronomy

### Abstract

Machine Learning, Deep Learning, and other Artificial Intelligence (AI) techniques have now become an integral part of development in every sphere of activity. The techniques are particularly important in astronomy, where powerful telescopes routinely generate vast quantities of data. In my talk I will describe some interesting applications of these techniques to a variety of problems in astronomy including galaxy morphology, identification of very compact galaxies, determining the nature of the compact objects in Low-Mass X-ray Binaries etc. I will also mention some applications beyond astronomy.

興味をお持ちの方の聴講を歓迎致します。