



INSTITUTE FOR MATHEMATICS
AND ITS APPLICATIONS

IMA
Special
Workshop

JUNE 18-21, 2019

Recent Themes in Resource Tradeoffs: Privacy, Fairness and Robustness

Ensuring privacy, fairness, and robustness has become increasingly important within the machine learning community. Modern technological advancements that affect data gathering, processing, and transferring have brought new challenges to each of these three areas. A surge of recent papers has advanced the theoretical understanding of these areas and of different tradeoffs within them. The workshop will discuss exciting recent developments in this direction, with daily thematic emphasis on privacy, fairness, and robustness. It will bring together experts from diverse backgrounds to present and discuss recent results and will also identify new research opportunities for this broad research area

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