

Speaker: Sasha Luccioni

Title: Machine Learning as a tool for positive impact: case studies from climate change

Description:

In 2015, the United Nations proposed the 2030 Agenda for Sustainable Development, which was adopted by all UN member states as a universal call to action to end poverty, protect the planet and ensure global peace and prosperity. At the heart of this endeavor are the 17 Sustainable Development Goals (SDGs), which provide a blueprint to achieve this agenda, targeting objectives such as ensuring high-quality education, maximizing health and well-being, and taking urgent action to combat climate change and its impacts. New technologies such as Artificial Intelligence (AI) and Machine Learning (ML) have been increasingly used to meet different SDGs, with breakthroughs in tasks such as Natural Language Processing (NLP) and Generative Adversarial Networks (GANs) serving as important tools to achieve positive social impact. In my talk, I will present some of the projects that I am working on, and propose ways to contribute towards using AI to achieve social good.

Reading materials: <https://arxiv.org/pdf/1906.05433.pdf> and <https://arxiv.org/pdf/2104.11757.pdf>