

IEEE HPEC 2023 Special Session

Title: ChatGPT, Bard, and other Large Language Models: Opportunities and Challenges

Abstract:

Large Language Models (LLMs) such as ChatGPT and Bard have gained significant attention in recent years due to their ability to generate human-like responses and assist in a wide range of tasks, from language translation to content creation. These LLMs have the potential to fundamentally change certain industries and will certainly alter how we interact with computing systems. However, with these remarkable capabilities, we are starting to see a number of serious concerns emerge that may serve as an inflection point before widespread adoption of these technologies. For example, understanding how to overcome bias and data privacy that are inherent in these models to ensure fair, transparent and ethical usage. Similarly, understanding how to mitigate the growing environmental impact of LLMs as well as addressing critical intellectual property that arise when using models that collect data from a variety of sources. This session will focus on the opportunities and challenges of Large Language Models.