

**Presentation title:** Harnessing the Power of Machine Learning for the Future of the Chemical Industry

**Speaker's title:** DuPont Global R&D Manager – Data Science/Machine Learning/AI

**Presentation abstract:**

The field of machine learning (ML) has experienced significant growth in recent years, with a wide range of applications in many different industries. The chemical industry has been particularly interested in adopting ML technologies due to their potential to transform research and development (R&D) processes, improve product quality and reduce costs. Dupont is one of the companies leading the way in this area, with a growing portfolio of ML capabilities and applications in areas such as materials science, formulation design, and computer vision. This presentation will provide an overview of Dupont's ML journey, exploring the background and introduction of ML, and how Dupont has developed its own capabilities in this field over time. We will also discuss some of the key ML applications that Dupont has implemented across various business units, including their benefits and challenges. Finally, we will examine some of the future ML trends that are shaping the chemical industry landscape, and how Dupont is positioning itself to take advantage of these opportunities.