

## Machine Learning meets Operations Research in real life

### **Abstract**

Effective Supply Chain Management is the backbone of any successful business. While some businesses focus on building optimized and efficient supply chains, others need a more agile and responsive supply chain. At the core of any best in class supply chain are basic Operations Research (OR) concepts. In this session, we will explore how the use of OR has helped Supply Chain Management systems evolve over the last many few decades and the impact of new trends on OR based systems in this domain.

Businesses are increasingly faced with a lot of uncertainty and data proliferation. These are challenging the core optimization concepts and ML is being seen by many as a panacea for all problems to be solved. However, the experience in real life is quite different. The need for Optimization today, is higher than ever.

This session will help demystify these trends and throw light on how OR continues to remain the fundamental building block of Supply Chain Management systems. It will also touch upon how OR based systems need to evolve to be at the forefront of best technology and algorithm in this field.