

Integrating Machine Learning and Optimization Techniques for Enhanced Aid Decision-Making and Predictive Modeling

Session chairs:

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Optimization and machine learning are potent tools for comprehending complex systems and facilitating informed decision-making and accurate predictions. However, achieving optimal performance in real-world applications can pose challenges. In this session, we will delve into the myriad ways in which machine learning and optimization can be synergistically employed to improve aid decision-making and predictive modeling.

We will explore the utilization of various machine learning techniques, such as neural networks and reinforcement learning, alongside optimization algorithms like exact approaches and metaheuristics. We enthusiastically welcome submissions that investigate the application of these techniques to real-world problems in domains such as finance, healthcare, and transportation.

Attendees of this session will gain profound insights into the seamless integration of machine learning and optimization techniques, enabling them to enhance aid decision-making and predictive modeling in their own endeavors.