

# **Machine Learning In Inverse Analysis of Heat Transfer Processes**

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## **Abstract**

Excellent growth in Machine Learning (ML) techniques provides new opportunities in energy and heat transfer areas. Furthermore, the ML architectures open new avenues for a paradigm shift in data analytics and comprehensive design procedures. In this talk, how to reverse the processes to create an inverse analysis of design will be discussed to produce design choices. Both forward and inverse methods will be discussed to demonstrate the proposed approach to the design processes.