

Optimization and Data Science in Industrial Engineering

Third International Conference, ODSIE 2025, Istanbul, Turkey, November 20-22, 2025, Proceedings, Part I

This three-volume set CCIS 2854-2856 constitutes the refereed proceedings of the Third International Conference on Optimization and Data Science in Industrial Engineering, ODSIE 2025, held in Istanbul, Turkey, during November 20–22, 2025.

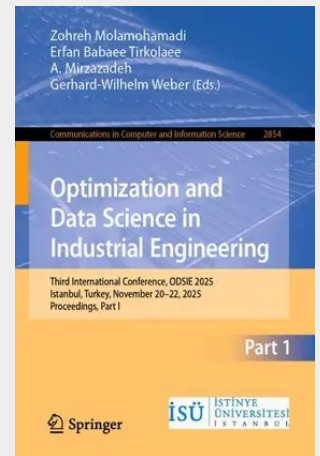
The 94 full papers and 10 short papers included in this book were carefully reviewed and selected from 198 submissions. They are organized into the following topical sections:

Part I: AI-Driven Innovations for Precision Medicine and Healthcare Optimization; Intelligent Optimization and Autonomous System Design through AI and Digital Technologies; AI and Policy-Based Cybersecurity Approaches for Urban Digital Infrastructure; Computational Intelligence and Data-Driven Strategies for Sustainable and Resilient Urban Systems; and Ethical and Legal Dimensions of Digital Governance in Modern Organizations.

Part II: Computational Governance and Ethical Intelligence in Global Corporate Systems; and Intelligent Optimization and Autonomous System Design through AI and Digital Technologies.

Part III: Data Analytics and AI for Cross-Sector Innovation and Global Development; and AI and Data-Driven Approaches for Sustainable Agriculture, Water Resources, and Food Systems.

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