

# **Guy Wachtel**

## **Research Domains**

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### Approximation Algorithms & Scheduling

- FPTAS & heuristics for scheduling
- Multi-factory & resource allocation models
- Queue balancing & efficiency optimization
- Robustness under uncertainty

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- Public transport driver well-being models
- Network reliability and safety
- Data-driven mobility analysis

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- AI for industrial process optimization
- AI in BI and analytics
- Human AI interaction and its impact on people and processes

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## OR in Healthcare

- Emergency department optimization
- Queueing theory applications
- Resource allocation in hospitals
- Simulation and decision support

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**Contact:**  
**GuyW@Ariel.ac.il**