

Objectives

Helmut Simonis

Constraint Based Production Scheduling

Licence



This work is licensed under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. To view a copy of this license, visit <https://creativecommons.org/licenses/by-nc-sa/4.0/>.

This license requires that reusers give credit to the creator. It allows reusers to distribute, remix, adapt, and build upon the material in any medium or format, for noncommercial purposes only. If others modify or adapt the material, they must license the modified material under identical terms.



Acknowledgments



This publication was developed as part of the ENTIRE EDIH project, which received funding from Enterprise Ireland and the European Commission.

Part of this work is based on research conducted with the financial support of Science Foundation Ireland under Grant number 12/RC/2289-P2 at Insight the SFI Research Centre for Data Analytics at UCC, which is co-funded under the European Regional Development Fund.

Part of this work is based on research conducted within the ASSISTANT European project, under the framework program Horizon 2020, ICT-38-2020, Artificial intelligence for manufacturing, grant agreement number 101000165.

Key Points



-

Outline



Why Have an Objective?

Cost vs. Profit Based Objectives

Objective Types

Multi-Level

Interactive Scheduling

Outline



Why Have an Objective?

Objective Types

Makespan

Flowtime

Lateness

Earliness

Just-In-Time

Hybrid

Resource Levels

Multi-Level

Interactive Scheduling

Outline



Why Have an Objective?

Objective Types

Multi-Level

Interactive Scheduling

Outline



Why Have an Objective?

Objective Types

Multi-Level

Interactive Scheduling

Summary



-