DAY 2 - Thursday 7 April 2022

Student Award 2

https://vlerick.zoom.us/j/88051222725?pwd=RythWUdPYzN2Y2tuOUFYKzdBbytPUT09

9.00 AM - 10.30 AM
Chair: Joanna Józefowska

Solving the Assembly Line Balancing Problem with LocalSolver
Léa Blaise, Thierry Benoist, Christian Artigues

A branch and bound approach for stochastic 2-machine flow shop scheduling with rework
Lei Liu, Marcello Urgo

Total Core Idle Time minimization for the permutation flowshop scheduling problem
Paula Sanchez-de los Reyes, Paz Perez-Gonzalez

Project Scheduling Track

https://vlerick.zoom.us/j/83565550863?pwd=emJjbU43bGcwRmljeHROdTF5MzQxZz09

10.50 AM - 12.10 PM
PS 4: Risk | Chair: Massimiliano Caramia

Budget allocation in risk prevention and risk protection considering risk interdependency
Xin Guan, Tom Servranckx, Mario Vanhoucke

Using schedule risk analysis with resource constraints for project control
Jie Song, Annelies Martens, Mario Vanhoucke

A comparative analysis for bounding the project completion time distribution in stochastic project networks
Forough Vaseghi, Annelies Martens, Mario Vanhoucke

A comparison of two project forecasting methods using risk models: Structural Equation Modeling and Bayesian Networks
Izel Unsal Altuncan, Mario Vanhoucke, Annelies Martens

1.40 PM - 3.00 PM
PS 5: Applications | Chair: Rainer Kolisch

Human-centered interactions for project scheduling decision-aid in space industry
Hugo Chevroton, Cyril Briand, Philippe Truillet, Melody Mailliez, Céline Lemercier

Project Planning for Engineering Automotive Production Systems
Maximilian Kolter, Martin Grunow, Rainer Kolisch, Thomas Stäblein

Comparative Study of Two Machine Learning Tasks in Project Scheduling
Weikang Guo, Mario Vanhoucke, José Coelho

Automated design of priority rules for the RCPSP via efficient genetic programming approach
Jingyu Luo, Mario Vanhoucke, José Coelho

Machine Scheduling Track

https://vlerick.zoom.us/j/82147276729?pwd=enBVVzlmeXdleHQycTBwY0l3Yi90dz09

10.50 AM - 12.10 PM
MS 4: Flexible scheduling | Chair: Alessandro Agnetis

Just-In-Time Flexible Job Shop with Stochastic Processing Times
Camilo Rodriguez-Espinosa, Eliana María González-Neira

Logic-based Benders Decomposition for preemptive Flexible Job-Shop Scheduling
Carla Juvin, Laurent Houssin, Pierre Lopez

On the relevance of the makespan service level for the flexible job shop scheduling problem under uncertainty
Mario Flores Gomez, Stéphane Dauzere-Peres, Valeria Borodin

Disjunctive graph model for flexible job-shop schedulingproblem with transportation and limited buffer space
Lucas Berterottière, Claude Yugma, Stéphane Dauzere-Peres

1.40 PM - 3.00 PM
MS 5: Extensions | Chair: Sigrid Knust

Heuristic Parameter Estimation by Machine Learning
Aykut Uzunoglu

Operating rooms scheduling with a shared resource: a red-blue knapsack modeling approach
Federico Della Croce, Andrea Grosso, Vincent T'kindt

Valid inequalities for the dynamic asset protection problem
Quentin Pena, Aziz Moukrim, Mehdi Serairi

A realistic hybrid flow shop scheduling problem with availability restrictions, priorities, and machine qualifications
Christin Schumacher, Dominik Mäckel

Plenary Session 2

(Same ZOOM link as Student Award 2)

3.20 PM - 4.20 PM
Chair: Christoph Schwindt

Project Modeling and Planning under Uncertainty: Last 20 years and Future Perspectives
Öncü Hazir

Closing Session

(Same ZOOM link as Student Award 2)