

Themen Seminar Logistikmanagement

- **Operations Research/Management Science:**

Thema 1 (*Bin packing and cutting stock problems: Mathematical models and exact algorithms*)
Delorme et al. (2016)

Thema 2 (*A General Branch-and-Cut Framework for Rotating Workforce Scheduling*)
Becker et al. (2022)

Thema 3 (*The Fixed Charge Transportation Problem: An Exact Algorithm Based on a New Integer Programming Formulation*)
Roberti et al. (2015)

Thema 4 (*Variable neighbourhood search for the variable sized bin packing problem*)
Hemmelmayr et al. (2012)

Thema 5 (*A Dynamic Programming Heuristic for the Quadratic Knapsack Problem*)
Fomeni and Letchford (2014)

Thema 6 (*A survey for the quadratic assignment problem*)
Loiola et al. (2007)

Thema 7 (*The Three-Dimensional Bin Packing Problem*)
Martello et al. (2000)

Thema 8 (*The 0-1 Knapsack Problem*)
Pisinger and Toth (1998)

Thema 9 (*An exact bidirectional A^* approach for solving resource-constrained shortest path problems*)
Thomas et al. (2019)

Thema 10 (*Maximum-weight stable sets and safe lower bounds for graph coloring*)
Held et al. (2012)

- **Transportlogistik:**

Thema 11 (*Compact formulations for split delivery routing problems*)
Munari and Savelsbergh (2022)

Thema 12 (*An adaptive large neighborhood search approach for multiple traveling repairman problem with profits*)
Avcı and Avcı (2019)

Thema 13 (*A Branch-and-Price-and-Cut Algorithm for the Vehicle Routing Problem with Two-Dimensional Loading Constraints*)
Zhang et al. (2022)

Thema 14 (*A Compact Arc-Based ILP Formulation for the Pickup and Delivery Problem with Divisible Pickups and Deliveries*)
Jargalsaikhan et al. (2021)

Thema 15 (*An Exact Price-Cut-and-enumerate Method for the Capacitated Multitrip Vehicle Routing Problem with Time Windows*)
Yang (2022)

Thema 16 (*A Branch and Price Algorithm for the Heterogeneous Fleet Multi-Depot Multi-Trip Vehicle Routing Problem with Time Windows*)
Şahin and Hande (2022)

Thema 17 (*A Branch-and-Price-and-Cut Algorithm for the Vehicle Routing Problem with Two-Dimensional Loading Constraints*)
Zhang et al. (2022)

Thema 18 (*An exact algorithm for the vehicle routing problem based on the set partitioning formulation with additional cuts*)
Baldacci et al. (2008)

Thema 19 (*Exact Branch-Price-and-Cut Algorithms for Vehicle Routing*)
Costa et al. (2018)

Thema 20 (*A Branch-and-Cut Algorithm for the Symmetric Generalized Traveling Salesman Problem*)
Fischetti et al. (1997)

- **Revenue Management:**

Thema 21 (*A column generation algorithm for choice-based network revenue management*)
Bront et al. (2009)

Thema 22 (*The Cheapest Ticket Problem in Public Transport*)
Schöbel and Urban (2022)

- **Standortplanung:**

Thema 23 (*Median and Covering Location Problems with Interconnected Facilities*)
Cherkesly et al. (2019)

Thema 24 (*Revisiting the Hamiltonian p -median problem: A new formulation on directed graphs and a branch-and-cut algorithm*)
Bektaş et al. (2019)

Thema 25 (*Compact MILP formulations for the p -center problem*)
Ales and Sourour (2018)

Literatur

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