

## PhD-Workshop

### Bodensee, 14<sup>th</sup> – 17<sup>th</sup> April 2011

Thursday, 14<sup>th</sup> of April

— Arrival at 12:00 am

13:30 Gerhard Wäscher  
*Opening Session*

14:00 Sören Koch  
*Genetic Algorithms for the Order Batching Problem*

—  
*Coffee break*

17:00 Nadine Pieper  
*Determination of Safety Stocks in MRP Systems under Stochastic Demand and Different Types of Random Production Yield*

Friday, 15<sup>th</sup> of April

9:30 Sebastian Henn  
*Metaheuristics for Order Batching and Sequencing in Manual Order Picking Systems*

*Lunch break*

13:00 Tino Henke  
*Vehicle Routing Problems with Variable Demands*

*Coffee break*

- 15:30      **Mohsen Afsharian**  
*The Two-Dimensional, Rectangular, Guillotineable-Layout Cutting Problem with a Single Defect: A Dynamic Programming Approach*

**Saturday, 16<sup>th</sup> of April**

- 9:30      **Gerhard Wäscher**  
*Problem Generators and Problem Instances for Cutting and Packing Problems*

*Lunch break*

- 13:00      **Gerhard Wäscher, Nadine Pieper, Mohsen Afsharian, Tino Henke, Sebastian Henn, Sören Koch**  
*Discussion of a paper about “Tabu Search Heuristics for the Order Batching Problem in Manual Order Picking Systems” and preparation of the paper for submission to an international peer-reviewed journal*
- 18:00      **Discussion, Prof. Dr. G. Wäscher**  
*Closing Session*

***Expected end of the PhD-Workshop 18:30.***

**Venue:**

Hotel und Gasthaus Seehörnle  
Hörnliweg 14  
78343 Gaienhofen-Horn