Lecture September 24

The lecturer announced that the lecture on Wednesday September 26 will be held in room: Mødelokale Ø16-603a-1.

We characterized the search landscape by describing its fundamental features: search space size, search space diameter, density of local/global optima solutions in the search space, distribution of local/global optima solutions in the search space, position types, fitness-distance correlation, ruggedness, plateaus and basins and barriers.

We defined the Quadratic Assignment Problem and the 2-Dimensional Bin Packing Problem and designed construction heuristics and local searches for them.

The next lecture we will treat very large scale neighborhoods.

Bibliographical Notes

- The material on Search Landscape can be found in the text book on Chapter 5.
- The material of the next lecture on very large scale neighborhoods is mostly included in the article by Ahuja, Ergun, Orlin and Punnen (see literature section).