

Algoritmos e Heurísticas

Ementa:

Heurísticas Construtivas, Heurísticas de Melhoria, Metaheurísticas: Algoritmos Genéticos, Busca Tabu, GRASP (Greedy Randomized Adaptive Search), VNS (Variable Neighborhood Search), ILS (Iterated Local Search), GLS (Guided Local Search), Simulated Annealing, Scatter Search, Enxame de Partículas, Colônia de Formigas, etc.

Bibliografia Básica:

- Campello, R.E. e Maculan, N. (1991) "Algoritmos e Heurísticas - Desenvolvimento e Avaliação de Performance" Editora Eduff. Rio de Janeiro.
- Goldberg, D. E, (1989) "Genetic Algorithms in Search, Optimization, and Machine Learning" Massachusetts, Addison-Wesley Longman.
- Reeves, C. (1993) "Modern Heuristic Techniques for Combinatorial Problems" Blackwell Scientific Publications.

Bibliografia Complementar:

- Glover, F. and Laguna, M. (1997) "Tabu Search" Kluwer Academic Publishers.
- Michalewicz, Z. (1996) "Genetics Algorithms + Data Structures = Evolution Programs" WNT, Warsaw.