

ISE 406 Project Short Guidelines

Dr. Tamás Terlaky

Report due by: Tuesday, December 15 midnight, 2020.

Presentation: Wednesday, December 16, 6pm, 2020.

Guidelines for the project:

- Collect all relevant papers/reports related to your project. The paper(s) I gave you and using keyword is a good start in your literature search.
- Write a comprehensive review of the topic/algorithms assigned to you. Review:
 - history, background;
 - relationship between the algorithms;
 - state of the art;
 - most significant results;
 - convergence, finiteness, complexity;
 - computational efficiency, efficient implementations – if any.
 - cite all sources of information properly.

Note: Some of the above might not be relevant to your project.

- Your discussions should relate to what you learned in the course.
- Report is max 15 pages, plus the list of references, min 11pt font size, min 1 inch margin.
- References in alphabetic list by author. Style sample:
[1] J. Arrow: Polynomial time algorithms for Linear Optimization, *Journal of Complexity*, 25(3): 213-231, 1995.
[5] K. Murty: *Operations Research: Deterministic Optimization Models*, Prentice Hall, 1992.

Guidelines for the presentation:

- Prepare a 15 minutes presentation (slides).
- Explain the main ideas, main findings.
- Focus on main ideas, most significant results, critical and informative evaluation.
- Prepare for questions from instructor and fellow students – another 10-15 minutes.