



UNIVERSITY  
OF MANITOBA

DEPARTMENT OF ELECTRICAL AND COMPUTER  
ENGINEERING

ECE 7670

OPTIMIZATION METHODS FOR COMPUTER-AIDED DESIGN

### Project Instructions

**Due Date: April 17, 2009**

**Instructor: J. LoVetri**

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The purpose of the project for this course is for you to implement one or more optimization techniques on a practical problem that you formulate. You are to write a short report for this project with the following sections:

- 1) a description of the practical problem, and its formulation as an optimization problem;
- 2) the theory of the optimization technique(s) you will use to attempt to solve this problem, including why you think it is a good idea to use this optimization technique for this problem;
- 3) a short description of the code/software you used;
- 4) the results you obtained using the technique; and
- 5) a discussion of the results - good or bad.

Email the actual code you used to me. You don't have to include the code in the report.

Please submit a short paragraph, via email, describing what you will be doing for your project by the end of March.