

PhD project available

School of Engineering and Information Technology,
The University of New South Wales,
Australia, www.unsw.adfa.edu.au

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Project Title: Development of Optimization Methods for Robust Design involving Iterative Solvers

Supervisors: Professor Tapabrata Ray and Dr. Hemant Kumar Singh

Degree: PhD in Mechanical Engineering / Computer Science

Project description:

Computationally expensive numerical simulations are increasingly being used in engineering design. Identification of robust solutions are of practical interest and such problems demand prohibitive amounts of computing power. This project will focus on design of computationally efficient optimization algorithms to solve such classes of problems.

Required Background:

Good programming (Python, Matlab, C/C++) and analytical skills, preferably with a Masters Degree in Engineering / Computer Science is desirable. Demonstrated competence in academic writing and oral presentation skills is necessary. Must meet UNSW admission criteria and English Language requirements.

Expected joining:

As soon as possible. Please send scanned copies of transcripts and CV to t.ray@adfa.edu.au

For more information:

Multi-disciplinary Design Optimization (MDO) Group: <http://www.mdolab.net/index.html>