

PhD project available

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

Jan 12, 2018.



Project Title: Development of Optimization Methods for Dynamic Optimization Problems

Supervisors: Dr. Hemant Kumar Singh and Professor Tapabrata Ray

Degree: PhD in Computer Science

Project description:

Dynamic optimization problems refer to a class of problems where the objective and/or constraints of an optimization change over time and the objective is to identify the optimal solutions with minimal time lag. While population based stochastic algorithms have been quite successful in solving the static counterparts, their performance for dynamic problems are far from satisfactory. 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 h.singh@adfa.edu.au

For more information:

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