

# Behrooz BOdaghi

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606/367 Burwood Rd., Hawthorn, VIC, 3122

## Section Name

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- I did something fantastic!

## Overview

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- An enthusiastic, adaptive and fast-learning person with the discovery of new optimization model.
- I particularly enjoy collaborating with engineers from different disciplines to develop new skills and solve new challenges in scheduling area.

Key Words			
project	resource	familiar	model
primavera	optimum	roughly	ilog
thesis	optimization		
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## Overview

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- I did something fantastic!

## Objective

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- Applying for Summer School

## Certificate

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- Skill certificate on Primavera from Tehran Institute Of Technology (Jan.2008).
- Affiliate member of American Society of Civil Engineer
- Affiliate member of ASOR

## Skills

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- Familiar with Arena and Witness (simulation tools), Catia, Minitab, SPSS and IBM ILOG CPLEX. Roughly familiar with Lingo, C++, Pascal. Roughly familiar with Matlab
- Private Lecturer for teaching Primavera Project Planner and Microsoft Excel.

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## Employment History

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Jul 2006-Jul 2009	<b>Teiab Bana Construction Company</b>	Iran
	Member of project planning & control division (Part time)	
	<ul style="list-style-type: none"><li>• Address: Sepahbod Gharani Ave. Shadab intersection, 2th lane No.190, 1598976715 Tehran (Iran).</li></ul>	

## Education

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2013	<b>Swinburne University of Technology</b>	Ph.D. (Engineering)
	Ph.D. with a focus in Scheduling problem	
Jul 2010- Sep 2012	<b>Universiti Teknologi Malaysia (UTM)</b>	Master of Eng.
	Masters of Industrial Engineering	
	<ul style="list-style-type: none"><li>• CGPA: 3.9 out of 4</li><li>• Principal subjects/occupational skills covered : Project Management - Supply Chain Management- Quality Engineering - Simulation and Modeling- Lean Manufacturing- Production and Operation Management - Human Factor Engineering</li><li>• Master Title: Binary Integer Programming Model for Multi Resource Levelling Problem<ul style="list-style-type: none"><li>• Thesis Summary: Project planning, resource allocation and resource leveling are of prime importance in a project, since they directly affect the duration and cost of project completion. To maintain competitiveness amongst rivals, optimum or near</li></ul></li></ul>	

optimum solutions of resource leveling and resource scheduling problems should be obtained in the planning phase of the project. This thesis intends to find optimum or near optimum solutions for resource leveling in which splitting of activity, crashing of schedule and increase of total duration with penalty are allowed. The main focus of this research is developing a mixed binary integer-programming model for the resource-leveling problem in the construction industry and providing tradeoffs between resource fluctuation costs and project duration within the specified range of a project time-span. Two sets of data were employed in order to evaluate the proposed model by using IBM ILOG CPLEX Optimization Studio: 1. Extension of a previous example in the field of resource fluctuation optimization; 2. Data collected from a case study on a Diesel storage tank construction project. Final results illustrate the capability of the proposed model to enhance multi-resource project scheduling. The results of this thesis make substantial contributions to the research, as well as positive impacts to the industry.

Sep 2005 - Jan  
2010

**Mazandaran University Of Science And  
Technology**

Bachelor of Eng.

Bachelor of Industrial  
Engineering

- CGPA: 17.21 out of 20
- Principal subjects/occupational skills covered : Project Management- Quality control- Operation Research- Engineering Statistic. Information System Management and Planning

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