Quality-driven Multi-objective Optimization of Software Architecture Design: Method, Tool, and Application
Etemadi Idgahi, R.

Citation

Version: Corrected Publisher’s Version
License: Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden
Downloaded from: https://hdl.handle.net/1887/30105

Note: To cite this publication please use the final published version (if applicable).
The handle http://hdl.handle.net/1887/30105 holds various files of this Leiden University dissertation.

**Author:** Etemadi Idgahi (Etemaadi), Ramin  
**Title:** Quality-driven multi-objective optimization of software architecture design: method, tool, and application  
**Issue Date:** 2014-12-11
List of Publications

The work described in this dissertation has resulted in the following publications:

**Journal Articles**

doi: 10.1016/j.jss.2013.05.109

doi: 10.1016/j.scico.2014.06.012

**Journal Articles [Draft version]**

Peer-Reviewed Conference/Workshop Papers


Acknowledgements

You are holding a book that results from four years of research work. During this path, I owe thanks to many generous and supportive people. It is a great pleasure for me to thank them for supporting me during my Ph.D. studies.

First and foremost, I would like to thank prof. dr. Michel R. V. Chaudron, who accepted me as a Ph.D. student and opened up the gates to the scientific world. I enjoyed his positive attitude to make a friendly working environment.

I really appreciated the opportunity to collaborate with LIACS institute, I have to thank prof. dr. Thomas H. W. Bäck and prof. dr. Joost N. Kok for their support.

After that, I also would like to send great thanks to dr. Rui Li for his kindness and helpfulness. Because of his great support I have been able to start this journey. I also would like to express my sincere gratitude to dr. Michael T. M. Emmerich for his welcoming attitude toward my questions.

My very special thanks go to dr. Kenneth Lind and dr. Rogardt Heldal for their wonderful contribution to this study. I am greatly honoured and feel very fortunate to meet you during this study.

I am also grateful to my colleagues and friends for being a constant source of inspiration during this Ph.D. period. Especially, I am thankful to Ana, Ariadi, Behrooz, Bilal, Dave, Edgar, Hafeez, Hossein, Javier, Johannes, Meghdad, Sahar, and Werner.

Mom and dad, my deepest gratitude goes to you. Thank you for your love and support, and for encouraging me to pursue my education.
Most importantly, I would like to thank the love of my life, my wonderful wife, NAFISEH for her endless support and understanding. Without her love, I would not have been able to overcome the challenges during this period, and this dissertation would not have been possible without her patience, and continuous support.
Ramin Etemaadi was born in 1981 in Tehran, Iran. He graduated his B.Sc. with the honours degree in computer science from Isfahan University of Technology, Iran, in 2002. He received his M.Sc. in 2005, and the master thesis was entitled “Software Creation: Automatic Design for Object-Oriented Software”. From September 2010, he worked as a Ph.D. candidate at the Leiden Institute of Advanced Computer Science (LIACS) at the Leiden University Faculty of Science. He worked within the Software Engineering Group under supervision of Prof. Dr. Michel R. V. Chaudron. His research interests include software architecture, software design, component-based software engineering, and automation of software development process.

Since 2002, Ramin has been involved as a software architect and technology lead in various software development projects. He participated in the development of the first e-commerce solution of Iran (named Pardakht), which won “2nd National SheikhBahai Entrepreneurship Festival”. As the managing director of a business unit, he led a small start-up team to become a very successful business. The service became largest mobile added-value-service in Iran, and the major service provider for the mobile operators in the country.

Currently, he is working as a Senior Research Engineer in Exact research department in Delft, Netherlands. Exact is a leading global supplier of complete ERP solutions for small and medium-sized enterprises. Exact develops award-winning business software for companies around the globe and supports over 100,000 small to medium-sized enterprises in more than 125 countries with their daily management.