

**CURRICULUM VITAE**  
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**EDUCATION**

Candidate of Engineering Sciences, NTUU "KPI", Kyiv, Ukraine, 2012  
Ph.D. (Software engineering), Oregon State University, Corvallis, OR, USA, 2003  
M.S. (Parallel computing), Oregon State University, Corvallis, OR, USA, 1998  
B.S. (Computer Science), Oregon State University, Corvallis, OR, USA, 1996

**ACADEMIC POSITIONS**

Research Assistant, Oregon State University (1996 – 2003)  
Senior researcher, ESC "IASA" NTUU "KPI" (2004 – )

**CLASSES**

Operating systems (2009)  
Computer information technologies in economics and finance (2010 – )

**PROFESSIONAL SOCIETIES**

IEEE (since 2002)  
ACM (since 2002)  
Phi Kappa Phi honor society (since 1996)  
Upsilon Pi Epsilon Computer Science honor society (since 1996); president of Alpha Chapter of Oregon at Oregon State University (1999 – 2003)

**JOURNAL ARTICLES AND BOOK CHAPTERS**

Malishevsky, A. G. / Using test cost and fault severity information in test case prioritization // System research and information technologies. — 2008. — № 1. — P. 63–78.

Malishevsky, A. G / Test case prioritization in regression testing // System research and information technologies. — 2006. — № 4. — P. 16–32.

G. Rothermel, S. Elbaum, A. G. Malishevsky, P. Kallakuri, and X. Qiu, On Test Suite Composition and Cost-Effective Regression Testing; ACM Transactions on Software Engineering and Methodology, V. 13, no. 3, July 2004, pages 277-331.

S. Elbaum, G. Rothermel, S. Kanduri, and A. G. Malishevsky, Selecting a Cost-Effective Test Case Prioritization Technique, Software Quality Journal, V. 12, no. 3, September 2004, pages 185-210.

Test Case Prioritization: A Family of Empirical Studies, S. Elbaum, A. Malishevsky, and G. Rothermel, IEEE Transactions on Software Engineering Volume 28, no. 2, February 2002, pages 159-182.

## CONFERENCES

A. G. Malishevsky / The cost-benefit model of test case prioritization in regression testing // Proceedings of XIV International conference “System Analysis and Information Technologies”.– April 2012. – P. 378-379

A. G. Malishevsky / The general prioritization framework in regression testing // Proceedings of XII International conference “System Analysis and Information Technologies”.– May 2010. – P. 456

A. G. Malishevsky / Test case prioritization as a method for fast detection of severe faults // Proceedings of X International conference “System Analysis and Information Technologies”.– May 2008. – P. 375

A. G. Malishevsky, G. Rothermel, S. Elbaum / An approach to regression testing of software // Proceedings of X International conference “System Analysis and Information Technologies”.– June/July 2005.

S. Elbaum, A. Malishevsky, and G. Rothermel, Incorporating Varying Test Costs and Fault Severities into Test Case Prioritization, Proceedings of the 23rd International Conference on Software Engineering May 2001, pages 329-338.

S. Elbaum, A. Malishevsky, and G. Rothermel, Prioritizing Test Cases for Regression Testing, Proceedings of the ACM International Symposium on Software Testing and Analysis, August 2000, pages 102-112.

A. G. Malishevsky, G. Rothermel, and S. Elbaum, Modeling the Cost-Benefits Tradeoffs for Regression Testing Techniques, Proceedings of the International Conference on Software Maintenance, October 2002, pages 204-213.

G. Rothermel, S. Elbaum, A. Malishevsky, P. Kallakuri, and B. Davia, The Impact of Test Suite Granularity on the Cost-Effectiveness of Regression Testing, Proceedings of the 24th International Conference on Software Engineering, May 2002, pages 230-240.

## OTHER PUBLICATIONS

A. G. Malishevsky, J. Ruthruff, G. Rothermel, and S. Elbaum, Cost-cognizant Test Case Prioritization, Technical Report TR-UNL-CSE-2006-0004, Department of Computer Science and Engineering, University of Nebraska - Lincoln, March 2006.

G. Rothermel, S. Elbaum, A. G. Malishevsky, P. Kallakuri, X. Qiu, On Test Suite Composition and Cost-Effective Regression Testing, Technical Report 03-60-04, Department of Computer Science, Oregon State University, November 2003.

S. Elbaum, G. Rothermel, S. Kanduri, and A. G. Malishevsky, Selecting a Cost-Effective Test Case Prioritization Technique, Technical Report 03-01-01, Department of Computer Science and Engineering, University of Nebraska -- Lincoln, January 2003.

G. Rothermel, S. Elbaum, A. Malishevsky, P. Kallakuri, and B. Davia, The Impact of Test Suite Granularity on the Cost-Effectiveness of Regression Testing, Technical Report 01-60-11, Computer Science Department, Oregon State University, September 2001.

S. Elbaum, A. Malishevsky, and G. Rothermel, Test Case Prioritization: A Family of Empirical Studies. Technical Report 01-60-08, Computer Science Department, Oregon State University, May 2001.

S. Elbaum, A. Malishevsky, and G. Rothermel, Prioritizing Test Cases for Regression Testing, Technical Report 00-60-03, Computer Science Department, Oregon State University, February 2000.