

CURRICULUM VITAE

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Jussi Pekka Kasurinen (M.Sc.)

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single



Education

- Doctor of Science (Technology), Lappeenranta University of Technology, Software Engineering Laboratory. Dissertation to be defended 18.11.2011, topic "Software Test Process Development". Doctoral course average 4,5 (out of 5).
- Master of Science (Technology), Lappeenranta University of Technology 2007. Dept. of Information Technology, Software engineering (major), Industrial engineering (minor). Master Thesis in Computer Science Education, grade 5.

Relevant employment history

- **Lappeenranta University of Technology**, Software Engineering researcher and project manager 1.6.2006-. Current position researcher at Software Engineering Laboratory. Job description has included
 - Design and implementation of software tools
 - Lecturing and design of university courses
 - Tekes-funded academic research on software testing
- **WSOYPro Oy, Docendo**, technical editor and non-fiction writer, 1.5.2009-
Freelance work on software engineering and programming-related publications.

Computer expertise

Expert on Windows-platforms and basic Linux. Fluent with Basic Office tools and software engineering design tools (UML2.X).

Programming expertise in Python, Ruby, C, C#, PHP and Java; HTML-, XHTML- and SQL-databases. Technical expertise on PC-architecture workstations and networks, basic knowledge on Windows Phone 7 platform and programming.

Selected publications

- Ruby on Rails ohjelmointi, book, published by WSOYPro/Docendo, 2011.
- Python 3 ohjelmointi, book, published by WSOYPro/Docendo, 2009.
- How Test Organizations Adopt New Testing Practices and Methods?, conference paper, TAIC PART at ICST 2011, Berlin, Germany, 2011.
- Analysis of Problems in Testing Practices, conference paper, APSEC'09, Penang, Malaysia, 2009.
- Estimating Student Knowledge with Bayesian Knowledge Tracing, ITiCSE'09, Paris, France.
- Study of Visualization in Introductory Programming, conference paper, PPIG 2008, Lancaster, UK.
- Revising the First Programming Course – the Second Round, conference paper, ReflekTori 2007, TKK, Espoo 2007.
- Lower Dropout Rates and Better Grades through Revised Course Infrastructure, conference paper, IASTED CATE 2007, Beijing, China, 2007.

Languages

English (fluent), Swedish (basics); Finnish civil servant –level test on Swedish completed.

Hobbies

Literature, painting and movies are close to my heart. On my own time I work on personal projects like writing, electronics or scale models. I also upkeep reasonable physical health by jogging and weight-lifting.

Other

- Compulsory military service in Finnish Defence Forces completed; rank 2nd lieutenant, RU-course 219, signaling corps.
- Military instructor on RU-course 220.
- B-level driving licence
- Visiting researcher at the Lund University LTH software engineering research group SERG for 3 months, 08/2010-10/2010.
- FiSMA-accredited SPICE-assessor, certified 05/2010.

Complete list of publications

Articles

- Kasurinen J., Taipale O. and Smolander K., Software Test Automation in Practice: Empirical Observations, Advances in Software Engineering, Software Test Automation issue Hindawi Publishing, 2009.

Books

- Kasurinen J., Ruby on Rails ohjelmointi, 260 pages, published by WSOYPro/Docendo, 2011. ISBN 978-951-0-37139-8
- Kasurinen J., Python 3 –ohjelmointi (in Finnish), 249 pages, published by WSOYPro/Docendo, 2009. ISBN 978-951-0-35273-1

Conference papers

- Kasurinen, J., Runeson, P., Riungu, L. and Smolander, K. (2011), “Self-Assessment Framework for Finding Improvement Objectives with ISO/IEC 29119 Testing Standard”, Proceedings of the EuroSPI 2011, Roskilde, Denmark, 2011.
- Kasurinen, J., Taipale, O., Vanhanen, J. and Smolander, K. (2011), “Exploring Quality Concepts in Software Organizations”, Proceedings of the Fifth IEEE International Conference on Research Challenges in Information Science (RCIS), May 19-21 2011, Guadeloupe - French West Indies, France.
- Kasurinen, J., Taipale, O. and Smolander, K. (2011), “How Test Organizations Adopt New Testing Practices and Methods?”, Proceedings of the Testing: Academic & Industrial Conference: Practice and Research Techniques 2011 (TAIC PART) co-located with 4th IEEE International Conference on Software Testing, Verification and Validation (ICST), 25.3.2011, Berlin, Germany.
- Kasurinen, J., Taipale, O. and Smolander, K. (2010). “Test Case Selection and Prioritization: Risk-based or Design-based?”, Proceedings of the 2010 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), 16.-17.9.2010, Bolzano-Bozen, Italy, doi: 10.1145/1852786.1852800
- Kettunen, V., Kasurinen, J., Taipale, O. and Smolander, K. (2010), “A Study of Agility and Testing Processes in Software Organizations”, Proceedings of the 19th international symposium on Software testing and analysis (ISSTA), 12.-16.7.2010, Trento, Italy, doi: 10.1145/1831708.1831737
- Kasurinen J., Elaborating Software Test Processes and Strategies, Third International Conference on Software Testing, Verification and Validation (ICST), 2010, Paris, France, 6.4.-9.4.2010.
- Nikula U., Alaoutinen S., Kasurinen J. and Pirinen T., Improving the Technical Infrastructure of a Programming Course, The 9th IEEE International Conference on Advanced Learning Technologies, Riga, Latvia, 14.7.-18.7., 2009.
- Kasurinen J. and Nikula U., Estimating Student Knowledge with Bayesian Knowledge Tracing, Proc. 14th ACM-SIGCSE Annual Conference on

Innovation and Technology in Computer Science (ITiCSE'09), pages 313-317, Paris, France, 3.-8.7., 2009.

- Kasurinen J., Purmonen M. and Nikula U., Study of Visualization in Introductory Programming, Proc. 20th annual meeting of the Psychology of Programming Interest Group (PPIG 2008), pages 181-194 , Lancaster, UK, 10.-12.9., 2008.
- Conference paper: Kasurinen J. and Nikula U., Revising the First Programming Course – the Second Round, , Proc. ReflekTori 2007 Symposium of Engineering Education, pages 92-101, Espoo, Finland, 3.-4.12., 2007.
- Conference paper: Kasurinen J. and Nikula U., Lower Dropout Rates and Better Grades through Revised Course Infrastructure, Proc. 10th IASTED International Conference on Computers and Advanced Technology in Education (CATE 2007), pages 152-157, Beijing, China, 8.-10.10., 2007.

Dissertation works

- Software Test Process Development, Doctoral Dissertation, Acta Universitatis Lappeenrantaensis 443, 2011.
- Siirtyminen C-kielestä Pythoniin ohjelmoinnin perusopetuksessa. Published as Master's Thesis and Research report 107, Department of Information Technology, Lappeenranta University of Technology, 2007.
- Python as a programming language for the introductory programming courses, Bachelor's Thesis, Department of Information Technology, Lappeenranta University of Technology, 2007.

Other

- Technical Guidelines for Virtual Classroom Arrangements, Research report 109, Department of Information Technology, Lappeenranta University of Technology, 2008.
- Python-ohjelmointiopas, versio 1.2 (in Finnish), Manuals 12, Manuals the department of Information Techology, Lappeenranta University of Technology, 2008.
- Python – Tkinter ja graafinen käyttöliittymä (in Finnish), Manuals 9, Manuals of the department of Information Techology, Lappeenranta University of Technology, 2008.
- Python –grafiikkaohjelmointi Imaging Librarylla (in Finnish), Manuals 8, Manuals of the department of Information Techology, Lappeenranta University of Technology, 2008.