

# Publication List (Complete)

Serge Demeyer

April 7, 2011

## Abstract

This document lists the publications (co-)authored by Serge Demeyer spanning his whole research career (1994—2011). It included those articles which have been accepted for publication on April 2011 but are scheduled for publication somewhere until 2011. It also lists the PhDs finished under Serge Demeyer's supervision. The list itself is divided into categories and within each category items are listed in reverse chronological order. Whenever possible a quality indicator is included: for journal papers the SCI impact factor as published in the JCR Science Edition, for conference papers the acceptance ratio.

## Classification

- Articles in journals with external refereeing.

[1] (2011), [2] (2010), [3], [4] (2009), [5], [6] (2008), [7], [8] (2007), [9] (2005), [10] (2001), [11] (2000), [12] (1999), [13] (1997)

- Monography as an author or editor.

[14] (2008), [15] (2007), [16] (2003), [17] (1999), [18] (1998)

- Articles in conference proceedings with external refereeing.

[19], [20], [21] (2011), [22], [23] (2010), [24], [25], [26] (2009), [27], [28], [29] (2008), [30], [31], [32], [33], [34], [35] (2006), [36], [37], [38], [39], [40], [41], [42] (2005), [43], [44], [45], [46] (2004), [47], [48] (2003), [49], (2002), [50], [51], [52] (2000),

[53], [54], [55] (1999), [56] (1997), [57] (1994)

- Invited articles in theme books.

[58] (2011), [59] (2009), [60] (2008), [61] (2005), [62] (1996)

- Workshop proceedings as editor.

[63] (2006), [64] (2005), [65] (2004), [66] (2003), [67], [68] (1999), [69] (1997), [70] (1996)

- Workshop Papers and Reports without External Refereeing.

[71], [72], [73], [74], [75], [76], [77], [78] (2010), [79] (2009), [80] (2008), [81], [82], [83], [84] (2007), [85] (2006), [86] (2005), [87], [88], [89], [90], [91], [92] (2004), [93], [94], [95], [96], [97], [98], [99], [100] (2003), [101], [102], [103] (2001), [104], [105], [106], [107], [108], [109], [110] (2000), [111], [112], [113], [114] (1999), [115], [116], [117], [118], [119] (1998), [120], [121] (1997), [122], [123], [124] (1996), [125] (1994)

- Technical Papers.

[126] (2001), [127] (1999), [128], [129] (1998), [130] (1997), [131] (1995), [132] (1994).

- Ph.D. Dissertations (Promotorship).

Promotor: [133] (2010), [134] (2009), [135], [136] (2008), [137], (2007), [138], [139] (2006)

Author: [140] (1996)

## Publication List

- [1] Andy Zaidman, Bart Van Rompaey, Arie van Deursen, and Serge Demeyer. Studying the co-evolution of production and test code in open source and industrial developer test processes through repository mining. *International Journal on Empirical Software Engineering*, 16(3):325–364, 2011. [SCI impact factor 1.612, ranked 27/93].
- [2] Joris Van Geet and Serge Demeyer. Reverse engineering on the mainframe - lessons learned from “in vivo” research. *IEEE Software*, July 2010. [SCI impact factor 2.039, ranked 14/93].
- [3] Serge Demeyer and Jean-François Perrot. Guest editor introduction. *Computer Languages, Systems and Structures*, 35(1):1, April 2009. [SCI impact factor 0,421, ranked 78/86].
- [4] Bram Adams, Kris De Schutter, Andy Zaidman, Serge Demeyer, Herman Tromp, and Wolfgang De Meuter. Using aspect orientation in legacy environments for reverse engineering using dynamic analysis - an industrial experience report. *Journal of Systems and Software*, 82(4):668–684, 2009. [SCI impact factor 1,241, ranked 36/86].
- [5] Andy Zaidman and Serge Demeyer. Automatic identification of key classes in a software system using webmining techniques. *International Journal on Software Maintenance: Research and Practice*, 20(6):387–417, 2008. [SCI impact factor 0.457, ranked 60 / 79].
- [6] Pieter Van Gorp, Hans Schippers, Serge Demeyer, and Dirk Janssens. Transformation techniques can make students excited about formal methods. *Journal on Information and Software Technology*, 50(12):1295–1304, December 2008. [SCI impact factor 0.435, ranked 61 / 79].
- [7] Bart Van Rompaey, Bart Du Bois, Serge Demeyer, and Matthias Rieger. On the detection of test smells: A metrics-based approach for general fixture and eager test. *Transactions on Software Engineering*, 33(12):800–817, 2007. [SCI impact factor 1.967, ranked 7 / 79].
- [8] Marijn Temmerman, Edgar Daylight, Francky Catthoor, Serge Demeyer, and Tom Dhaene. Optimizing data structures at the modeling level in embedded multimedia. *Journal of Systems Architecture*, 53(8):539–549, 2007. [SCI impact factor 0.402, ranked 32 / 44].
- [9] Tom Mens, Niels Van Eetvelde, Serge Demeyer, and Dirk Janssens. Formalizing refactorings with graph transformations. *International Journal on Software Maintenance: Research and Practice*, 15(4):247–276, July 2005. [SCI impact factor 0.457, ranked 60 / 79].
- [10] Serge Demeyer. Extensibility via a meta-level architecture. *Journal of Network and Computer Applications*, 24(1):63–74, January 2001. [SCI impact factor 0.929, ranked 36 / 79].
- [11] Serge Demeyer, Koen De Hondt, and Patrick Steyaert. Consistent framework documentation with computed links and framework contracts. *Computing Surveys*, 32(1es):Article No. 34, March 2000. [SCI impact factor 7.4, ranked 1 / 71].
- [12] Serge Demeyer, Matthias Rieger, Theo Dirk Meijler, and Edzard Gelsema. Class composition for specifying framework design. *Theory and Practice of Object Systems (TAPOS)*, 5(2):73–81, April 1999. [SCI 2000 impact factor 1.000, ranked 13 / 67].
- [13] Serge Demeyer, Theo Dirk Meijler, Oscar Nierstrasz, and Patrick Steyaert. Design guidelines for tailorable frameworks. *Communications of the ACM*, 40(10):60–64, October 1997. [SCI impact factor 1.797, ranked 9 / 79].
- [14] Tom Mens and Serge Demeyer, editors. *Software Evolution*. Springer-Verlag, 2008.
- [15] Serge Demeyer and Jean-François Perrot, editors. *Proceedings of the 2007 international conference on Dynamic languages: in conjunction with the 15th International Smalltalk Joint Conference 2007*, volume 286 of *ACM International Conference Proceeding Series*. ACM, 2007.
- [16] Serge Demeyer, Stéphane Ducasse, and Oscar Nierstrasz. *Object-Oriented Reengineering Patterns*. Morgan Kaufmann, 2003.
- [17] Ana Moreira and Serge Demeyer, editors. *Object-Oriented Technology (ECOOP’99 Workshop Reader)*, volume 1743 of *Lecture Notes in Computer Science*. Springer-Verlag, December 1999.
- [18] Serge Demeyer and Jan Bosch, editors. *Object-Oriented Technology (ECOOP’98 Workshop Reader)*, volume 1543 of *Lecture Notes in Computer Science*. Springer-Verlag, December 1998.
- [19] Benjamin Biegel, Quinten David Soetens, Willi Hornig, Stephan Diehl, and Serge Demeyer. Comparison of similarity metrics for refactoring detection. In *Proceedings MSR’11 (8th IEEE Working Conference on Mining Software Repositories)*. IEEE Press, May 2011. [Acceptance ratio: 20/61 = 32.7%].
- [20] Joachim Denil, Hans Vangheluwe, Pieter Ramaekers, Paul De Meulenaere, and Serge Demeyer. DEVS

- for AUTOSAR platform modelling. In *Proceedings SPRINGSIM'2011 (2011 Spring Simulation Multi-conference)*. ACM, April 2011. [acceptance ratio:  $28+11/91 = 42\%$ ].
- [21] Ahmed Lamkanfi, Serge Demeyer, Quinten David Soetens, and Verdonck Tim. Comparing text mining algorithms for predicting the severity of a reported bug. In *Proceedings CSMR'2011 (15th European Conference on Software Maintenance and Reengineering)*. IEEE Press, March 2011. [Acceptance ratio:  $29/101 = 28.7.4\%$ ].
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