

# Radu Marinescu

## Lista de Lucrări

### A. Cele Mai Relevante Publicații (Art.15-a)

- 1 **Radu Marinescu** - *Assessing technical debt by identifying design flaws in software systems*, IBM Journal of Research and Development, ISSN 0018-8646, Vol. 56, No. 5, 2012 (în curs de publicare)

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Factor de Impact ISI : 5.21 - **Q1** (1/99) Comp. Science, Software Engineering

- 2 **Radu Marinescu** - *Detection Strategies: Metrics-Based Rules for Detecting Design Flaws*. 20th IEEE International Conference on Software Maintenance (ICSM), IEEE Computer Society Press, 2004

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Clasificare cf. Australian Research Council (ARC): **A** ; Scholar Google: **151** citări

- 3 Michele Lanza, **Radu Marinescu** - *Object-Oriented Metrics in Practice*. Springer Verlag, ISBN 978-3540244295, 2006 (reprinted in 2010)

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WorldCat: over **200** libraries; Scholar Google: **251** citări

- 4 **Radu Marinescu** - *Measurement and Quality in Object-Oriented Design*. 21st IEEE International Conference on Software Maintenance (ICSM 2005), IEEE Computer Society Press, 2005

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Clasificare cf. Australian Research Council (ARC): **A** ; Scholar Google: **123** citări

- 5 Adrian Trifu, **Radu Marinescu**. *Diagnosing Design Problems in Object Oriented Systems*, 12th IEEE Working Conference on Reverse Engineering (WCRE), IEEE Computer Society Press, 2005

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Clasificare cf. Australian Research Council (ARC): **B** ; Scholar Google: **22** citări

- 6 Cristina Marinescu, **Radu Marinescu**, Petru Mihancea, Daniel Ratiu, Richard Wettel - *iPlasma: An Integrated Platform for Quality Assessment of Object-Oriented Design*, 21st IEEE International Conference on Software Maintenance (ICSM), IEEE Computer Society Press, 2005

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Clasificare cf. Australian Research Council (ARC): **A** ; Scholar Google: **49** citări

- 7 **Radu Marinescu**, Daniel Ratiu - *Quantifying the Quality of Object-Oriented Design: The Factor-Strategy model*. 11th IEEE Working Conference on Reverse Engineering (WCRE), IEEE Computer Society Press, 2004

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Clasificare cf. Australian Research Council (ARC): **B** ; Scholar Google: **35** citări

- 8 Daniel Ratiu, Stephane Ducasse, Tudor Girba, **Radu Marinescu**. *Using History Information to Improve Design Flaws Detection*. 9th European Conference on Software Maintenance and Reengineering (CSMR). IEEE Computer Society Press, 2004

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Clasificare cf. Australian Research Council (ARC): **C** ; Scholar Google: **53** citări

- 9 Richard Wettel, **Radu Marinescu** - *Archeology of Code Duplication: Recovering Duplication Chains From Small Duplication Fragments*. 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE Computer Society Press, 2005

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Clasificare cf. Australian Research Council (ARC): **C** ; Scholar Google: **27** citări

- 10 **Radu Marinescu**, Cristina Marinescu - *Are the Clients of Flawed Classes (Also) Defect Prone?* 11th IEEE Working Conference on Source Code Analysis and Manipulation (SCAM), 2011

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Clasificare cf. Australian Research Council (ARC): **C**

## B. Teze de Doctorat (Art.15-b)

- 11 **Radu Marinescu** - *Measurement and Quality in Object-Oriented Design*.

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Doctorat în co-tutelă într Universitatea "Politehnica" din Timișoara (prof. dr. ing. Ioan Jurca) și TU Karlsruhe (prof. dr. rer. nat. Gerhard Goos)

## C. Brevete. Titluri de Proprietate Intelectuală (Art.15-c)

nu există

## D. Cărți. Capitole în Cărți (Art.15-d)

- 12 **Radu Marinescu** - *Software Metrics for Quality Assessment*. Editura Politehnica, Timișoara, ISBN 978-973-625-885-5, 184 pages, 2009
- 13 **Radu Marinescu** - „Metrics” chapter (53 pages) from *The FAMOOS Handbook of Reengineering*. University of Bern and FZI Karlsruhe, 1999
- 14 **Radu Marinescu**, Carmen De Sabata - *Ingineria Programării 1. Programare orientata pe obiecte in C++*. *Proiectare orientata pe obiecte cu UML si Rational Rose*. Casa Cărții de Știință Cluj, ISBN 973-9404-94-4, 160 pag, 1999

## E. Articole în Jurnale Majore (Art.15-e, în plus față de categoria A)

nu există

## F. Publicații în Conferințe Majore (Art.15-f, în plus față de categoria A)

- 15 **Radu Marinescu** - *Using Object-Oriented Metrics for Automatic Design Flaws Detection in Large Scale Systems*. ECOOP'98 Workshop Reader LNCS, Springer Verlag, 1998
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- Clasificare cf. Australian Research Council (ARC): **A** ; Scholar Google: **29** citări
- 16 **Radu Marinescu**, G. Ganea - *inCode.Rules: An Agile Approach for Defining and Checking Architectural Constraints*, 6th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), IEEE Computer Society Press, 2010
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- Clasificare cf. Australian Research Council (ARC): **C**
- 17 **Radu Marinescu**, G. Ganea, I. Verebi - *inCode: Continuous Quality Assessment and Improvement*, 14th European Conference on Software Maintenance and Reengineering (CSMR), IEEE Computer Society Press, 2010
- 
- Clasificare cf. Australian Research Council (ARC): **C**
- 18 D. Ratiu, **Radu Marinescu**, J. Juerjens - *The Logical Modularity of Programs. 16th Working Conference on Reverse Engineering (WCRE)*, IEEE Computer Society Press, IEEE Computer Society Press, 2009.
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- Clasificare cf. Australian Research Council (ARC): **B**

- 19 Mihai Codoban, Cristina Marinescu, **Radu Marinescu** - *iProblems-an integrated instrument for reporting design flaws, vulnerabilities and defects*. 18th IEEE Working Conference on Reverse Engineering (WCRE), IEEE Computer Society Press, 2011
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Clasificare cf. Australian Research Council (ARC): **B**

- 20 P.F. Mihancea, **Radu Marinescu** - *Discovering Comprehension Pitfalls in Class Hierarchies*, 13th European Conference on Software Maintenance and Reengineering (CSMR), IEEE Computer Society Press, 2009
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Clasificare cf. Australian Research Council (ARC): **C**

- 21 D.C. Cosma, Radu Marinescu - *Understanding the Impact of Distribution in Object-Oriented Distributed Systems using Structural Program Dependencies*. 12th European Conference on Software Maintenance and Reengineering (CSMR), IEEE Computer Society Press, 2008
- 

Clasificare cf. Australian Research Council (ARC): **C**

- 22 A. Dozsa A., T. Girba, **Radu Marinescu** - *How Lisp Systems Look Different*. 12th European Conference on Software Maintenance and Reengineering (CSMR), IEEE Computer Society Press, 2008
- 

Clasificare cf. Australian Research Council (ARC): **C**

- 23 M. Balint, P.F. Mihancea, T. Girba, **Radu Marinescu**. *NOREX: A Distributed Reengineering Environment*. 23rd International Conference on Software Maintenance (ICSM), IEEE Computer Society Press, 2007
- 

Clasificare cf. Australian Research Council (ARC): **A**

- 24 D.C. Cosma, **Radu Marinescu**. *Distributable Features View: Visualizing the Structural Characteristics of Distributed Software Systems*. 4th International Workshop on Visualizing Software for Understanding and Analysis (VISSOFT), IEEE Computer Society Press, 2007.
- 

Clasificare cf. Australian Research Council (ARC): **B**

- 25 M. Balint, T. Girba, **Radu Marinescu** - *How Developers Copy*, 14th International Conference on Program Comprehension (ICPC), IEEE Computer Society Press, 2006
- 

Clasificare cf. Australian Research Council (ARC): **C** ; Scholar Google: **24** citări

- 26 **Radu Marinescu** - *Detecting Design Flaws via Metrics in Object-Oriented Systems*. 39th International Conference and Exhibition on Technology of Object-Oriented Languages and Systems (TOOLS39), IEEE Computer Society Press, 2001
- 

Clasificare cf. Australian Research Council (ARC): **A** ; Scholar Google: **58** citări

- 27 C. Marinescu, **Radu Marinescu**, T. Girba - *Towards a Simplified Implementation of Object-Oriented Design Metrics*. 11th IEEE International Software Metrics Symposium (METRICS), IEEE Computer Society Press, 2005
- 

Clasificare cf. Australian Research Council (ARC): **A** (now named ESEM) ; Scholar Google: **13** citări

- 28 Demeyer,S., Rysselberghe,F., Girba,T., Ratzinger,J., **Radu Marinescu**, Mens,T., DuBois, B., Janssens, D., Ducasse, S., Lanza, M., Rieger, M., Gall, H., El-Ramly, M. - *The LAN-simulation: A Refactoring Teaching Example*. International Workshop on Principles of Software Evolution (IWPSE), ACM Press, 2005
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Scholar Google: **31** citări

- 29 P.F. Mihancea, **Radu Marinescu** - *Towards the Optimization of Automatic Detection of Design Flaws in Object-Oriented Software Systems*. 9th European Conference on Software Maintenance and Reengineering (CSMR). IEEE Computer Society Press, 2005
- 

Clasificare cf. Australian Research Council (ARC): **C** ; Scholar Google: **9** citări

- 30 D.C. Cosma, **Radu Marinescu** - *Restructuring Object-Oriented Distributed Systems: An Impact-Driven Approach*, 5th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), IEEE Computer Society Press, 2009

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Clasificare cf. Australian Research Council (ARC): **C**

- 31 D.C. Cosma, **Radu Marinescu** - *Representing Object-Oriented Distributed Systems to Focus the Process of Reverse Engineering*, 5th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), IEEE Computer Society Press, 2009

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Clasificare cf. Australian Research Council (ARC): **C**

- 32 P.F. Mihancea, C. Marinescu, **Radu Marinescu**, G. Ganea, I. Verebi - *McC and Mc#: Unified C++ and C# Design Facts Extractors Tools*. 9th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE Computer Society Press, 2007

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Clasificare cf. Australian Research Council (ARC): **C**

- 33 T. Girba, S. Ducasse, A. Kuhn, **Radu Marinescu**, D. Ratiu - *Using concept analysis to detect co-change patterns*, 9th International Workshop on Principles of Software Evolution (IWSE), ACM Press, 2007

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Scholar Google: **13** citări

- 34 **Radu Marinescu** - *A Multi-Layered System of Metrics for the Measurement of Reuse by Inheritance*. International Conference and Exhibition on Technology of Object-Oriented Languages and Systems (TOOLS 31), IEEE Computer Society, 1999

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Clasificare cf. Australian Research Council (ARC): **A** ; Scholar Google: **9** citări

## G. Alte Lucrări și Contribuții Științifice (Art.15-g)

- 35 Ratiu, D., Feilkas, M., Deissenboeck, F., **Radu Marinescu**, Juerjens, J. - *Towards a Repository of Common Programming Technologies Knowledge*. International Workshop on Semantic Technologies in System Maintenance (STSM), 2008.

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Scholar Google: **9** citări

- 36 Girba, T., Ducasse, S., Radu Marinescu, Rațiu, D. - *Identifying Entities That Change Together*. 9th IEEE Workshop on Empirical Studies of Software Maintenance (WESS 2004), 2004

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Scholar Google: **13** citări

- 37 **Radu Marinescu** - *Towards the Measurement of Reuse by Inheritance in Legacy Systems*. ECOOP'99 Workshop on Quantitative Methods, 1999

- 38 **Radu Marinescu**, A.M. Sassen - *Metrics-Based Problem Detection in Object-Oriented Legacy Systems Using Audit-Reengineer*, ECOOP'99 Workshop on Experiences in OO Re-engineering, 1999

- 39 Bär, H., Bauer M., Ciupke, O., Genssler, T., **Radu Marinescu**, Schulz, B., Weisbrod, J. - *Sanierung objektorientierter Systeme*. Workshop Software Re-engineering, Universität Koblenz-Landau, 1999

- 40 C. Marinescu, **Radu Marinescu**, P.F. Mihancea, D. Ratiu, R. Wettel - *Analysis Infrastructure for Quality Assessment of Object-Oriented Design*. 6th International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC04), Mirton Press, 2004

- 41 P.F. Mihancea, **Radu Marinescu** - *Improving the Automatic Detection of Design Flaws in Object-Oriented Software Systems*. 2nd Workshop on Computer Aided Verification of Information Systems (CAVIS), 2004

- 42 C. Marinescu, **Radu Marinescu**, T. Girba - *A Dedicated Language for Object-Oriented Design Analyses*. 2nd Workshop on Computer Aided Verification of Information Systems (CAVIS), 2004

- 43 D. Ratiu, S. Ducasse, T.Girba, **Radu Marinescu** - *Evolution-Enriched Detection of God Classes*. 2nd Workshop on Computer Aided Verification of Information Systems (CAVIS), 2004
- 44 **Radu Marinescu**, D. Ratiu - *Detection of Design Problems in an Industrial Environment*. 5th International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASCO3), Mirton Press, 2003
- 45 **Radu Marinescu**. *Towards an Automated Approach for Quality Improvement in Object-Oriented Design*. 1st Workshop on Computer Aided Verification of Information Systems (CAVIS), 2003
- 46 **Radu Marinescu**. *Object-Oriented Design in Practice. Could/Should We Do Better?* 1st Workshop on Computer Aided Verification of Information Systems (CAVIS), 2003
- 47 A.M. Sassen, **Radu Marinescu** - *Platform with Extended Engineering Tools in Audit*, FAMOOS Report EXTENAU A3.4.1, SEMA Group, 1999
- 48 **Radu Marinescu** - *Refined Metrics and Heuristics*, FAMOOS Report RMETH A2.5.1, FZI Karlsruhe, 1998
- 49 **Radu Marinescu**, B. Schulz, J. Weisbrod - *Specification of Techniques and Strategies for Problem Detection*. FAMOOS Report A2.3.2, FZI Karlsruhe, 1998

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