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RECTORATUL

## Universitatea Babeş-Bolyai Competiția Excelenței 2010

### Dosar individual

**Notă: Toate datele se referă la perioada 2005-2009**

<b>Nume, prenume, grad did.</b>	<b>CHIOREAN DAN, LECT. DR.</b>
<b>Facultatea, Catedra</b>	Facultatea de Matematică și Informatică – Catedra de Limbaje și Metode de Programare
<b>Domeniul științific</b>	Software Engineering, Software Modeling (MDA, MDE, MDD, LDD), Object-Oriented Technologies, Formal Methods
<b>Adresa paginii web personale</b>	<a href="http://www.cs.ubbcluj.ro/~chiorean">http://www.cs.ubbcluj.ro/~chiorean</a>
<b>Adresa e-mail</b>	<a href="mailto:chiorean@cs.ubbcluj.ro">chiorean@cs.ubbcluj.ro</a>

### Criteriaul I – Output

**1. Articole științifice publicate în reviste indexate ISI (cu menționare factorului de impact în cazul celor cotate)**

**2. Articole științifice publicate în ISI proceedings**

Thomas Baar, **Dan Chiorean**, Alexandre Correa, Martin Gogolla, Heinrich Hussmann, Octavian Patrascoiu, Peter Schmitt, Jos Warmer - Tool Support for OCL and Related Formalisms - Needs and Trends in Jean-Michel Bruel (Ed.) Satellite Events at the MoDELS 2005 Conference – Springer LNCS 3844, pp. 1-9, 2006

**Dan Chiorean**, Birgit Demuth, Martin Gogolla, Jos Warmer - OCL for (Meta-)Models in Multiple Application Domains in T. Kuhne (Ed.): MoDELS 2006 Workshops – Springer LNCS 4364, pp. 152–158, 2007

Vladiela Petrascu, **Dan Chiorean** and Dragos Petrascu - ContractCML - a Contract Aware Component Modeling Language - IEEE Computer Society 2008, ISBN 978-0-7695-3523-4, Pages 273-276

**3. Articole științifice indexate în BDI (din lista CNCIS)**

Mira Kajko-Mattsson, Arie van Deursen, Rupert Reiger, Gerardo Canfora, Tuomas Ihme, Torsten Engel, **Dan Chiorean**, Meir M. Lehman, and Josef Wernke - A Model of Maintainability - Suggestion for Future Research – in Proceedings of 2006 International Conference on Software Engineering Research & Practice (SERP'06 / ISBN #: 1-932415-92-0/CSREA), Editor: Hamid R. Arabnia and Hassan Reza, pp.: 436-441 Las Vegas, USA, 2006 online at <http://www1.ucmss.com/books/LFS/CSREA2006/SER5109.pdf>

BDI = DBLP, vezi:

[http://www.ask.com/bar?q=%22dan+chiorean%22+%2Bdblp&page=1&qsrc=121&dm=all&ab=0&u=http%3A%2F%2Fwww.informatik.uni-trier.de%2F%7Eley%2Fdb%2Findices%2Fa-tree%2Fc%2FChiorean%3ADan\\_Ioan.html&sg=STdW5pTgeBgJZVymDp4%2F7Afzv0%2FqtC3kafgSqFy94nw%3D&tsp=1267721257110](http://www.ask.com/bar?q=%22dan+chiorean%22+%2Bdblp&page=1&qsrc=121&dm=all&ab=0&u=http%3A%2F%2Fwww.informatik.uni-trier.de%2F%7Eley%2Fdb%2Findices%2Fa-tree%2Fc%2FChiorean%3ADan_Ioan.html&sg=STdW5pTgeBgJZVymDp4%2F7Afzv0%2FqtC3kafgSqFy94nw%3D&tsp=1267721257110)

Vladiela PETRAȘCU, **Dan CHIOREAN** and Dragoș PETRAȘCU - *Proposal of a Set of OCL WFRs for the Ecore Meta-metamodel* - Studia Universitatis Babes-Bolyai - Series Informatica - Volume LIV, Number 2 December 2009 pp. 89-108 online at: <http://cs.ubbcluj.ro/~studia-i/2009-2/09-PetrascuChiorean.pdf>

Vladiela PETRAȘCU, **Dan CHIOREAN** and Dragoș PETRAȘCU - *COMPONENT MODELS' SIMULATION IN ContractCML* - Studia Universitatis Babes-Bolyai - Special Issue KEPT-2009: Knowledge Engineering: Principles and Techniques (July 2009) - pp. 198-201 online at: <http://www.cs.ubbcluj.ro/~studia-i/2009-kept/Studia-2009-Kept-3-KSE.pdf>

**Dan Chiorean**, Vladiela Petrascu, Dragoș Petrascu - *How My Favorite Tool Supporting OCL Must Look Like* – in ECEASST – Volume 15 (2008) pag. 1-17, online at: - <http://eceaasst.cs.tu-berlin.de/index.php/eceaasst/article/viewFile/180/177>

#### **4. Alte articole științifice/capitole publicate în reviste/volume cu referenți (peer-reviewed)**

**Dan Chiorean**, Maria Bortș, Dyan Coruțiu - *Semantic Validation of XML Data, a Metamodeling Approach* - in Proceedings of 3<sup>rd</sup> Nordic Workshop on UML and Software Modeling pag. 86-107 – ISBN 951-44-6399-4, ISSN 1459-6903, 2005 vezi: <http://www.cs.uta.fi/nwum105/> proceedings online at: <http://www.cs.uta.fi/reports/pdf/A-2005-3.pdf>

**Dan Chiorean**, Maria Bortș, Dyan Coruțiu - *Proposals for a Widespread Use of OCL* – in Proceedings of the MoDELS'05 Conference Workshop on Tool Support for OCL and Related Formalisms - Needs and Trends, Montego Bay, Jamaica, October 4, 2005 – vezi: <http://lgl.epfl.ch/members/baar/oclwsAtModels05/> - proceedings Technical Report LGL-REPORT-2005-001 online at: <http://lgl.epfl.ch/members/baar/oclwsAtModels05/technicalReport.pdf>

Vladiela PETRAȘCU, **Dan CHIOREAN** and Dragoș PETRAȘCU - "COMPONENT MODELS' SIMULATION IN ContractCML", KNOWLEDGE ENGINEERING: PRINCIPLES AND TECHNIQUES, KEPT2009 - International Conference on Knowledge Engineering Principles and Techniques - Selected Papers, Cluj-Napoca (Romania), July 2-4, 2009, pp. 231-238

#### **5. Cărți științifice publicate în edituri internaționale**

#### **6. Cărți științifice publicate în edituri naționale acreditate**

#### **7. Editor de volume publicate în edituri naționale și internaționale**

Birgit Demuth, **Dan Chiorean**, Martin Gogolla și Jos Warmer – Proceedings of the OCLApps 2006 - Workshop - TUD-FI06-04-Sept. 2006 – ISSN 1430-211X

**Dan Chiorean**, Birgit Demuth, Martin Gogolla and Jos Warmer editors – ECEASST volume 5(2006) - ISSN 1863-2122 – 175 page vezi <http://eceaasst.cs.tu-berlin.de/index.php/eceaasst/article/view/36/67> și BDI = DBLP

#### **8. Brevete internaționale**

#### **9. Brevete naționale**

#### **10. Impact tehnologic al brevetelor: resurse financiare extrabugetare atrase în relație cu economia**

#### **11. Realizări artistice naționale și internaționale (Domeniul Arte)**

(Expoziții, spectacole, concerte, publicații, filme, înregistrări)

## **Criteriul II – Prestigiu profesional**

### **1. Citări ale articolelor ISI listate la Criteriul I**

Lucrarea - Thomas Baar, **Dan Chiorean**, Alexandre Correa, Martin Gogolla, Heinrich Hußmann, Octavian Patrascoiu, Peter H. Schmitt, and Jos Warmer. *Tool Support for OCL and Related Formalisms - Needs and Trends*. in Jean-Michel Bruel, editor, Satellite Events at the MoDELS'2005 Conference, volume 3844 of LNCS, pages 1–9. Springer-Verlag, 2005

Kirsten Berkenkotter - OCL-based Validation of a Railway Domain Profile – in Models in Software Engineering – LNCS 4364/2007 – pp. 159-168 – ISBN 978-3-540-69488-5, ISSN 0302-9743 (Print) 1611-3349 (Online), doi 10.1007/978-3-540-69489-2

Emine G. Aydal, Richard F. Paige and Jim Woodcock - Evaluation of OCL for Large-Scale Modelling: A Different View of the Mondex Purse in H. Giese (Ed.): MODELS 2007 Workshops, Springer - LNCS 5002/2008, pp. 194-205, DOI: 10.1007/978-3-540-69073-3, ISBN: 978-3-540-69069-6, online at:

<http://www.springerlink.com/content/98t1lj8j4n724450/>

### **2. Alte citări ale lucrărilor listate mai sus**

Lucrarea - **Dan Chiorean**, Maria Bortes, – Dyan Corutiu - *Semantic Validation of XML Data, a Metamodeling Approach* - in Proceedings of 3<sup>rd</sup> Nordic Workshop on UML and Software Modeling pag. 86-107 – ISBN 951-44-6399-4, ISSN 1459-6903, 2005 citată în

Terje Gjøsæter, Jan Pettersen Nytnun, Andreas Prinz, Mikael Snarud, and Merete Skjelten Tveit - Modelling Accessibility Constraints - ICCHP 2006, LNCS 4061, pp. 40 – 47, 2006 - Springer-Verlag Berlin Heidelberg 2006 – online at:

[http://www.eiao.net/publications/gjosater\\_Modelling20Accessibility20Constraints\\_ICCHP202006.pdf/download](http://www.eiao.net/publications/gjosater_Modelling20Accessibility20Constraints_ICCHP202006.pdf/download)

Lucrarea - **Dan Chiorean**, Maria Bortes, and Dyan Corutiu - *Proposals for a widespread use of OCL* - In T. Baar, editor, Proceedings of the MoDELS'05 Conference Workshop on Tool Support for OCL and Related Formalisms - Needs and Trends, Technical Report LGL-REPORT-2005-001, pages 68-82. EPFL, 2005 citată în:

Slavisa Markovic and Thomas Baar - An OCL Semantics Specified with QVT – SOSYM – Springer – DOI - 10.1007/s10270-008-0083-2, ISSN 1619-1366 (Print) 1619-1374 (Online)

Lucrarea - **D. Chiorean**, D. Corutiu, M. Bortes, and I. Chiorean. Good Practices for Creating Correct, Clear and Efficient OCL Specifications. In *NWUML 2004*, 2004

L. Reynoso, M. Genero, M. Piattini and E. Manso - Using cognitive techniques for assessing the influence of coupling on the maintainability of OCL expressions in Proceedings of the Seventh IEEE International Conference on Cognitive Informatics, ICCI 2008, Stanford University, California, USA, August 14-16, 2008 - pp. 341-350

Lucrarea - **Dan Chiorean**, Vladiela Petrascu, Dragos Petrascu - *How My Favorite Tool Supporting OCL Must Look Like* – in ECEASST – Volume 15 (2008) pag. 1-17 citată în:

Jordi Cabot, Martin Gogolla and Pieter Van Gorp - Eight International Workshop on OCL Concepts and Tools - in Michel R.V. Chaudron Edts - Models in Software Engineering - Springer LNCS 5421 – 2009

### **3. Citări în perioada 2005-2009 ale articolelor anterioare anului 2005**

#### **Volumul:**

Dan Chiorean, Birgit Demuth, Martin Gogolla și Jos Warmer – ECEASST volume 5(2006) - ISSN 1863-2122

Citat în:

1. Pieter Van Gorp - Model-driven Development of Model Transformations - Ph.D. Thesis. University of Antwerp, Dept. of Mathematics and Computer Science 04-2008 - UMI number 3329185, ISBN 978-0-549-81995-0 - online at: [http://www.solidus.be/\\_ext/GetFile.php?file=VanGorp2008PhDthesis.pdf](http://www.solidus.be/_ext/GetFile.php?file=VanGorp2008PhDthesis.pdf)

**Lucrarea:**

Dan Chiorean - Using OCL Beyond Specifications. In A. Evans, R. France, A. Moreira, and B. Rumpe, editors, Proc. UML'2001 Workshop on Rigorous Development, pages 5768. LNI, German Informatics Society, 2001

**Citată în:**

2. Martin Gogolla, Jörn Bohling, and Mark Richters. Validating UML and OCL Models in USE by Automatic Snapshot Generation. *Journal on Software and System Modeling*, volume 4, number 4, 2005 pp 386-398 - <http://dx.doi.org/10.1007/s10270-005-0089-y>, <http://www.springerlink.com/content/h3mu673721k22240/>
3. Fabian Buttner, Martin Gogolla – Systematic Transformation on Graphically Described UML Operations into OCL Pre- and Postconditions and Easy Implementations [http://www.db.informatik.uni-bremen.de/teaching/courses/ss2005\\_eis/eis2005-systematic-transformation.ps](http://www.db.informatik.uni-bremen.de/teaching/courses/ss2005_eis/eis2005-systematic-transformation.ps)
4. Pieter Van Gorp, Dirk Janssens - CAViT: a Consistency Maintenance Framework based on Visual Model Transformation and Transformation Contracts in Transformation Techniques in Software Engineering - James R. Cordy and Ralf Lammel and Andreas editors, Winter Dagstuhl Seminar Proceedings 2006 - ISSN 1862-4405 pag. 1-23 - online at: <http://drops.dagstuhl.de/opus/volltexte/2006/429/pdf/05161.VanGorpPieter.Paper.429.pdf>
5. Jean Bezivin, Fabian Büttner, Martin Gogolla, Frederic Jouault, Ivan Kurtev, and Arne Lindow. Model Transformations? Transformation Models! - in Oscar Nierstrasz, Jon Whittle, David Harel, and Gianna Reggio, editors, *Proc. 9th Int. Conf. Model Driven Engineering Languages and Systems (MoDELS'2006)*. LNCS 4199, Springer, Berlin, 2006 pp. 440-453
6. Yuki Sumita, Mami Takata, Keiju Ishitsuka, Yasuyuki Tominaga and Kazuhiko Ohe - Building a reference functional model for EHR systems - *International Journal of Medical Informatics, Volume 76, Issue 9, September 2007, Pages 688-700* - ISSN: 1386-5056 – ELSEVIER Sciences (2006 Impact factor, 1.726)
7. Mirco Kuhlmann, Martin Gogolla - Analyzing Semantic Properties of OCL Operations by Uncovering Interoperational Relationships – In Proceedings of the Ocl4All: Modelling Systems with OCL workshop – MODELS 2007 International Conference – online at: <http://st.inf.tu-dresden.de/Ocl4All2007/>
8. Mirco Kuhlmann, Martin Gogolla - Analyzing Semantic Properties of OCL Operations by Uncovering Interoperational Relationships – in Electronic Communications of EASST Volume 9 (2008) ISSN: 1863 – 2122 pp. 1- 17, online at: <http://eecasst.cs.tu-berlin.de/index.php/eecasst/article/view/107/102>
9. Martin Gogolla, Jörn Bohling, and Mark Richters. USE: A UML-Based Specification Environment for Validating UML and OCL – *Science of Computer Programming*, Volume 69, Numbers 1-3, December 2007, pp. 27-34 - <http://dx.doi.org/10.1016/j.scico.2007.01.013> - online at: [http://www.db.informatik.uni-bremen.de/publications/Gogolla\\_2007\\_SCP.ps](http://www.db.informatik.uni-bremen.de/publications/Gogolla_2007_SCP.ps)

**Lucrarea:**

Dan Chiorean Dragos Cojocari - *Implementation of OCL Support in UML CASE Tools –the ROCASE Experience; Objectives, Proposals, Perspectives-* in Proc. of 4th International Conference on Information Systems Modelling, ISM '01, Hradec nad Moravicí, Czech Republic, May 2001.

Citată în:

10. Jörn Guy Süß, Peter Fritzon and Adrian Pop - The Impreciseness of UML and Implications for ModelicaML - in Fritzon, Peter ; Cellier, François and Broman, David (eds.) (2008). Proceedings of the 2nd International Workshop on Equation-Based Object-Oriented Languages and Tools - ISSN (print): 1650-3686, ISSN (online): 1650-3740 - pp. 17-26 - online at:  
<http://www.ep.liu.se/ecp/029/003/ecp08029003.pdf>

**Lucrarea:**

Chiorean, Dan; Carcu, Adrian; Pasca, Mihai et al. "UML Model Checking" in Studia INFORMATICA, Volume XLVII, Number 1, 2002, pp. 71-88.

Citată în:

11. Jean-Paul Van Belle's Ph D Thesis „[Framework for the Analysis and Evaluation of Enterprise Models](#)”, Department of Information, University of Cape Town see:  
<http://www.commerce.uct.ac.za/informationssystem/Staff/PersonalPages/jvbelle/work/phdsources.htm>
12. Pieter Van Gorp, Hans Schippers, Dirk Janssens, Copying Subgraphs within Model Repositories – Electronic Notes in Theoretical Computer Science, Volume 211, 28 April 2008, Pages 133-145, Proceedings of the Fifth International Workshop on Graph Transformation and Visual Modeling Techniques (GT-VMT 2006), doi:10.1016/j.entcs.2008.04.036

**Lucrarea:**

Dan Chiorean, etc. – Ensuring UML models consistency using the OCL Environment – OCL 2.0 – UML 2003 – online at: [http://il1www.ilkd.uni-karlsruhe.de/~baar/oclworkshopUml03/papers/06\\_ensuring\\_uml\\_model\\_consistency.pdf](http://il1www.ilkd.uni-karlsruhe.de/~baar/oclworkshopUml03/papers/06_ensuring_uml_model_consistency.pdf)

Citată în:

13. Damien Azambre, Mathieu Bergeron, and John Mullins - Validating UML and OCL models in SOCLe by simulation and model-checking – In Proceedings of MOMPES'2005, pag. 57-76, ISBN 952-12-1556-9 ISSN 1239-1905 online at:  
<http://www.tucs.fi/publications/attachment.php?fname=G39.pdf> and  
[http://www.di.uminho.pt/~mompes/papers/2005\\_MOMPES\\_AzambreBergeronMullins.pdf](http://www.di.uminho.pt/~mompes/papers/2005_MOMPES_AzambreBergeronMullins.pdf)
14. Dimitrios S. Kolovos, Richard F. Paige, and Fiona A.C. Polack - The Epsilon Object Language (EOL) – in Model Driven Architecture - Foundations and Applications, Second European Conference, ECMDA-FA 2006, Bilbao, Spain, - Springer LNCS 4066 – ISSN - 3-540-35909-5, pages 128-142,  
[http://dx.doi.org/10.1007/11787044\\_11](http://dx.doi.org/10.1007/11787044_11) also online at: <http://www-users.cs.york.ac.uk/~dkolovos/publications/eol.pdf>

15. Allyson M. Hoss – Ontology-Based methodology for Error Detection in Software Design – PhD Dissertation at Louisiana State University – August 2006 – URN: etd-07102006-103349 – online at: <http://etd.lsu.edu/docs/available/etd-07102006-103349/>
16. Jörn Guy Süß – Sugar for OCL – in Proceedings of the OCLApps 2006 Workshop, Technical Reports of the Technische Universität Dresden, ISSN 1430-211X, TUD-FI06 pp. 111-125
17. Lijun Shan and Hong Zhu - Specifying Consistency Constraints for Modelling Languages – in Proceedings of the Eighteenth International Conference on Software Engineering & Knowledge Engineering (SEKE'2006), ISBN: 1-891706-18-7, pages 578-583 - online at: <http://cms.brookes.ac.uk/staff/HongZhu/Publications/SEKE2006.pdf>
18. Iris Reinhartz-Berger - Conceptual Modeling of Structure and Behavior with UML – The Top Level Object-Oriented Framework UML – The Top Level Object-Oriented Framework – in Proceedings of 24th International Conference on Conceptual Modeling – Springer 2005 - LNCS 3716 pp. 1-15 ISBN 3-540-29389-2 , [http://dx.doi.org/10.1007/11568322\\_1](http://dx.doi.org/10.1007/11568322_1) online at: <http://mis.hevra.haifa.ac.il/~iris/research/TLOOF4ER05.pdf>
19. Bogumiła Hnatkowska - Verification of Good Design Style of UML Models – Proceeding of the International Conference - Information System Implementation and Modeling 2007 - Hradec nad Moravicí, Czech Republic, April 23-25, 2007 – ISSN 1613-0073 - pp. 83-90 – online at: <http://ftp.informatik.rwth-aachen.de/Publications/CEUR-WS/Vol-252/paper10.pdf>
20. Alexandre Correa and Claudia Werner - Refactoring object constraint language specifications – SOSYM (2007)6 pp:113-138 - DOI 10.1007/s10270-006-0023-y
21. Lijun Yu, Robert B. France, Indrakshi Ray and Kevin Lano - A light-weight static approach to analyzing UML behavioral properties – in Proceedings of the 12th IEEE International Conference on Engineering Complex Computer Systems (ICECCS 2007), 207 – pp 56-63, DOI: <http://doi.ieeecomputersociety.org/10.1109/ICECCS.2007.10>
22. Sandra Lovrenčić, Kornelije Rabuzin, Ruben Picsek - FORMAL MODELLING OF BUSINESS RULES: WHAT KIND OF TOOL TO USE? – in Journal of information and organizational sciences, Volume 30, Number 2 (2006) - ISSN: 0351-804 - pp. 225-239 online at: [http://www.foi.hr/CMS\\_home/znan\\_strucni\\_rad/zbornik/JIOS-Vol30-No2-2006.pdf](http://www.foi.hr/CMS_home/znan_strucni_rad/zbornik/JIOS-Vol30-No2-2006.pdf)
23. Iris Reinhartz-Berger, Arnon Sturm - Enhancing UML Models: A Domain Analysis Approach – 33 pages online at <http://mis.hevra.haifa.ac.il/~iris/research/ADOM-UMLexpJDM.pdf> - the Journal on Database Management (JDM), special issue on UML Topics, volume 19, number 1, pp. 74-94 2008 - ISSN: 1063-8016 EISSN: 1533-8010 - <http://www.igi-pub.com/articles/details.asp?ID=7670>
24. Dubrava Ilic, Sari Leppanen, Elena Troubitsyna, Linas Laibinis – Towards Automated Model-Driven Development of Distributed Communicating Systems and Communication Protocols – TUCS Technical Report No 829, July 2007 – ISBN 978-952-12-1919-1, ISSN 1239-1891, online at: <http://crest.abo.fi/publications/public/2007/TR829.pdf>
25. Walter Cazzola, Ahmed Ghoneim and Gunter Saake - Viewpoint for maintaining uml models against application changes – Proceedings of ICISOFT 2006, First International Conference on Software and Data Technologies, Setubal, Portugal, September 11-14, 2006 - INSTICC Press – ISBN - 972-8865-69-4, pp. 263-268 – online at: <http://docs.ksu.edu.sa/PDF/Articles09/Article090915.pdf>
26. Michael Wahler – Using Patterns to Develop Consistent Design Constraints – PhD. Dissertation – ETH Dissertation No. 17643 - Zurich – 2008 – online at:

[http://kisogawa.inf.ethz.ch/WebBIB/publications/papers/2008/0\\_wahler.dissertation.2008.color.pdf](http://kisogawa.inf.ethz.ch/WebBIB/publications/papers/2008/0_wahler.dissertation.2008.color.pdf)

27. Stefan Marr – Modellkonsistenz – Seminar in Sommersemester 2007 - Software-Qualität bei der modellbasierten Softwareentwicklung – online at: <http://www.stefan-marr.de/downloads/Modellkonsistenz.paper.pdf>
28. Carlos Mario Zapata, Guillermo González and Alexander Gelbukh - A Rule-Based System for Assessing Consistency Between UML Models - Springer - LNCS 4827/2007 - pp.215-224 - ISBN 978-3-540-76630-8 - DOI - 10.1007/978-3-540-76631-5\_21
29. Carlos Mario Zapata , Guillermo González – Edification Formal De OCL de Reglas De Consistencia Entre Los Diagramas de Clases Y Casos de Uso de UML Y El Modelo De Interfaces – Revista de Ingenierias Universidad de Medellin ISSN (Version impresa): 1692-3324 – julio-diciembre 2008/vol 6 numero 012, pp. 169-191 online at: <http://redalyc.uaemex.mx/redalyc/pdf/750/75061210.pdf>
30. Department of Computer Science, Graduate School of Information Science & Technology, University of Osaka – Software Engineering Laboratory - Master Thesis – 8 February 2008 online at: <http://sel.ist.osaka-u.ac.jp/~lab-db/Mthesis/archive/83/83.pdf>
31. Marina Egea - An Executable Formal Semantics for OCL with Applications to Model Analysis and Validation - Universidad Complutense de Madrid - Facultad de Informática - PhD thesis - online at: <http://maude.sip.ucm.es/~marina/pubs/thesis.pdf>
32. Model-Driven Software Development : Integrating Quality Assurance - Rech Jorg and Bunse Christian editors - cap IX Michael Wahler - A Pattern Approach to Increasing the Maturity Level of Class Models - pp. 204-235 – Idea Grup Blackwell's Book Services 2009
33. Lijun Yu, Robert France and Indrakshi Ray – Scenario-Based Analysis of UML Class Models – in Model Driven Engineering Languages and Systems – Springer - LNCS 5301/2008 pp. 234-248 – ISSN 0302-9743
34. Kenji KAIJIRI - Self-proliferate software product diagnosis system - Technical Report of IEICE - The Institute of Electronics, Information and Communication Engineers - Nagano, 380-0935 Japan - online at: <http://kaiunix.cs.shinshu-u.ac.jp/eng/Resource/sigss200506.pdf>
35. Michael Wahler, David Basin, Achim D. Brucker and Jana Koehler - Efficient Analysis of Pattern-Based Constraint Specifications - in Software and Systems Modeling, 2009 Springer - online at: <http://www.zurich.ibm.com/pdf/csc/WABABRKO09.pdf>
36. Zhe Chen and Gilles Motet - A Language-theoretic View on Guidelines and Consistency Rules of UML - in, Model Driven Architecture - Foundations and Applications - Springer LNCS, Volume 5562/2009, ISBN 978-3-642-02673-7, DOI 10.1007/978-3-642-02674-4\_6, pp. 66-81, online at: <http://www.springerlink.com/content/m48m3771133j7835/>
37. Francisco J. Lucas, Fernando Molinal, and Ambrosio Toval - A systematic review of UML model consistency management - Information and Software Technology - Elsevier B.V. 2009 - doi doi:10.1016/j.infsof.2009.04.009
38. Selo Sulistyoy, Andreas Prinz - Recursive Modeling for Completed Code Generation - in Proceedings of First European Workshop on Behaviour Modelling in Model Driven Architecture (BM-MDA) Enschede, The Netherlands, 2009 - CTIT Workshop Proceedings Series WP09-04 ISSN 0929-0672 - pp. 86-99 and in ACM International Conference Proceeding Series; Vol. 379 – 2009 - ISBN:978-1-60558-503-1
39. Lijun Yu, Robert France, Indrakshi Ray, Sudipto Ghosh, "A Rigorous Approach to Uncovering Security Policy Violations in UML Designs," iceccs, pp.126-135,

- 2009 14th IEEE International Conference on Engineering of Complex Computer Systems, Potsdam 2009
40. Lovrencic Sandra, Rabuzin Kornelije, Picek Ruben, "Formal modelling of business rules: what kind of tool to use?", *Journal of Information and Organizational Sciences*. Vol. 30, no. 2, pp. 225-239. 2006
  41. Vanessa Stricker, Stefan Hanenberg, and Dominik Stein, "Designing Design Constraints in the UML Using Join Point Designation Diagrams", in *Lecture Notes in Business Information Processing*, 2009, ISSN 1865-1348 (Print) 1865-1356 (Online), Volume 83, pp. 57-76, DOI 10.1007/978-3-642-02571-6\_5
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#### **4. Distincții, premii și alte recunoașteri naționale și internaționale**

#### **5. Studenți naționali atrași (activități de coordonare științifică și didactică)**

- Îndrumare lucrari de licență (număr lucrări susținute)  
17 lucrari

- Îndrumare lucrări de disertație (număr lucrări susținute)

5 lucrari

- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)  
- Post-doctoranzi (lista nominală)

#### **6. Studenți internaționali atrași (activități de coordonare științifică și didactică)**

- Îndrumare lucrari de licență (număr lucrări susținute)  
- Îndrumare lucrări de disertație (număr lucrări susținute)  
- Doctoranzi (lista nominală a doctoranzilor înmatriculați resp. lista nominală a tezelor susținute)  
- Post-doctoranzi (lista nominală)

## **7. Membru in comitetul de redacție la reviste ISI**

Reviewer la

- SOSYM (Springer) – 2007
- Information Systems (Elsevier) - 2008

## **8. Membru in comitetul de redacție la reviste BDI**

## **9. Participări la programe/granturi de cercetare finanțate din sursă internațională (se menționează și valoarea)**

## **10. Participări la programe/granturi finanțate din sursă națională (se menționează și valoarea)**

## **11. Coordonări de programe/granturi finanțate din sursă internațională (se menționează și valoarea)**

- Proiect ECONET 2007-2008 finantat de Ministerul Francez de Externe – parteneri: Universite de Nantes, Ecole de Mines de Nantes, Charles University Prague – responsabil de proiect pentru echipa Romana – UBB (val aprox. 6000 EUR - suma in EUR platita pentru 3 deplasari la Praga, 3 la Nantes si o parte din cheltuielile Workshopului de la Cluj-Napoca. Conform protocolului, suma a fost transferata direct in contul fiecarui participant

## **12. Coordonări de programe/granturi finanțate din sursă națională (se menționează și valoarea)**

- Contractul ID\_2049 nr. 465/2009 - CADRU BAZAT PE UTILIZAREA EXTENSIVA A METAMODELARII PENTRU SPECIFICAREA, IMPLEMENTAREA SI VALIDAREA LIMBAJELOR SI APLICATIILOR (CUEM\_SIVLA)– director de contract – **Dan Chiorean** – suma încasată în 2009 - 54857.35 lei

## **13. Profesor invitat la universitati de prestigiu, cu titlu oficial**

## **14. Membru în comisii profesionale relevante, cu titlu oficial**

## **15. Conferințe invitate internaționale**

- Checking UML Models – invited talk - University of Innsbruck 31 October 2005 – vezi imaginea emailului atasat.
- Model Checking – an OCL perspective – invited talk - The ECONET 2007 Workshop – Charles University Prague – 4 september 2007 vezi raportul ECONET cu programul si doc. ECONET-
- CCMM from Metamodel Specification to the Repository Implementation - invited talk – University of Nantes - The ECONET 2008 Workshop – Nantes – 12 mai – vezi raportul ECONET atasat, precum si invitatia

## **16. Membru în comitete de organizare sau științifice ale unor conferințe internaționale**

### **Organizator de manifestări științifice internaționale:**

- Workshop-ul “Tool Support for OCL and Related Formalisms - Needs and Trends” organizat în cadrul Conferinței Internaționale MoDELS’05 – vezi:  
<http://www.modelsconference.org/> respectiv:  
<http://lgl.epfl.ch/members/baar/oclwsAtModels05/>



- Workshop-ul “OCL for (Meta-)Models in Multiple Application Domains (OCLApps)” organizat în cadrul Conferinței Internaționale MoDELS’06 (organizator principal și persoană de contact) vezi: <http://www.modelsconference.org/>, respectiv <http://st.inf.tu-dresden.de/OCLApps2006>
- Workshopul ECONET 2008 – Cluj 20-23 septembrie 2008

Membru în PC la următoarele manifestări internaționale:

- Workshop-ul “Tool Support for OCL and Related Formalisms - Needs and Trends” organizat în cadrul Conferinței internaționale MoDELS’05 – vezi: <http://lgl.epfl.ch/members/baar/oclwsAtModels05/>
- Copreședinte și membru în comitetul de program al OCLApps 2006 – vezi <http://st.inf.tu-dresden.de/OCLApps2006>
- 7<sup>th</sup> International Conference on Web Engineering ICWE 2007 vezi: <http://www.icwe2007.org>
- 8<sup>th</sup> International Conference on Web Engineering ICWE 2008 vezi: <http://icwe2008.webengineering.org/ProgramCommittee/>
- 9th International Conference on Web Engineering vezi <http://icwe2009.webengineering.org/Default.aspx>
- TOOLS 2007 - Workshop Committee – see: <http://tools.ethz.ch/callforworkshops.html>
- Workshopul „Ocl4All: Modelling Systems with OCL” organizat în cadrul MODELS’07 – vezi <http://st.inf.tu-dresden.de/Ocl4All2007/>
- OCL Tools: From Implementation to Evaluation and Comparison - organizat în cadrul MODELS’08 – vezi <http://www.fots.ua.ac.be/events/ocl2008/>
- OCL 2009 Workshop - The Pragmatics of OCL and other textual specification languages <http://modeling-languages.com/events/OCLWorkshop2009/organizers.html>
- 9th International Conference on Web Engineering - <http://icwe2009.webengineering.org/Pcommittee.aspx>
- 10th International Conference on Web Engineering - <http://icwe2010.webengineering.org/Committees/programCommittee.aspx>
- The 12th IEEE Symposium on Web System Evolution - <http://www.rcost.unisannio.it/wse2010/organization.htm>

### **III. Realizare remarcabilă**

Consider că cea mai importantă realizare a reprezentat-o recunoașterea în comunitatea științifică internațională a competențelor în domeniul modelării, în particular cele legate de specificarea și utilizarea Object Constraint Language, recunoaștere materializată prin invitarea organizării de manifestări internaționale (menționate în cadrul documentului) precum și invitarea în comitetul de program al manifestărilor internaționale de profil, fără întrerupere din 2005 până astăzi. În plus, pentru articole pe această temă, am fost invitat ca reviewer la revistete ISI: SOSYM (Springer) și respectiv Information Systems (Elsevier). Deasemenea, tot în această perioadă, am fost invitat să particip la proiectul Internațional ECONET (2007-2008) finanțat de Ministerul Francez de Externe. În 2008, propunerea de proiect IDEI, avansată de subsemnatul a fost acceptată. Din păcate, finanțarea pentru 2009 a fost acordată într-un procent de sub 20% din cea aprobată la acceptarea proiectului. La evaluarea primului an, proiectul a fost apreciat cu 47 puncte, pentru 2010 finanțarea fiind sistată din lipsă de fonduri

19 martie 2010

lec. dr. Dan CHIOREAN

#### **Certific validitatea datelor prezentate**

Sef de catedră,

Prof. Dr. Bazil PÂRV

### 3 Citări în perioada 2005-2009 ale articolelor anterioare anului 2005

#### Volumul:

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