

Marta Cimitile

Curriculum Vitae

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Personal information

Name Marta
Surname Cimitile
Nationality Italy

Education/Qualification

- 2017 National Scientific Qualification for the Associate Professor position in Information Processing Systems 09/H1
- 2008 Ph.D. in Computer Science, Earned at University of Bari with a thesis titled: Knowledge Economy in Software Engineering
- 2004 Professional Engineering Qualification, Earned at University of Federico II, Napoli
- 2003 Engineering management Degree, Earned at University of Federico II, Napoli with a thesis on IT and CRM systems

Language

Italian native speaker
English good

Current positions

- from 2010 Tenure-track Assistant Professor and Contract Professor in Computer Engineering at Unitelma Sapienza University in Rome (Italy)
- from 2018 MARKETS AND INSTITUTIONS FOR DEVELOPMENT AND INNOVATION PHD Scientific board member
- from 2018 Director of a I Level Executive Master Course on Open Data at University Unitelma Sapienza,(in collaboration with INPS)
- from 2018 Director of Course on "Web Community Manager" at Unitelma Sapienza University
- from 2015 Scientific Collaboration with regional center on national research project with Information Communication Technology CeRICT srl

Past positions

- 2018 National Research Project reviewer at CONSEDIN S.p.A.
- 2009-2011 Contract Professor at University of Roma Tor Vergata-Roma IOL

- 2008-2010 Research Associate at University of Bari
- 2007-2009 Contract Professor at University TELMA or Rome
- 2005-2008 Computer Science PHD fellowship at University of Bari
- 2004-2005 Freelance work at University of Bari on Computer Science research projects

Research topics

Data mining, content annotation and search: data mining for the study, extraction and identification of data link in the context of Software Repository and code analysis. Web applications refactoring and quality improvement: Approaches and techniques for the reverse engineering and evolution of legacy systems and web applications. Methods and models for the conceptual user-centered design of business web applications.

Process Modeling and Process Mining: definition and experimentation of methods, techniques and technologies to model, measure and optimize processes. Context-aware process modelling, imperative and declarative process mining technique, process automation through Service Oriented Architectures.

Information Security: Application of Data Mining, Process Mining and Machine Learning as solution to Security issues.

Ontology-based approaches, Experience Base, Experience Factory for Knowledge Management: the study and experimentation of the approaches to the knowledge collection, storing, extraction and transferring in Open Innovation. The adoption of ontologies for formalization of domain knowledge

Conference and Journal activity

- Program committee member of ACM Global Computing Education Conference (CompEd) 2019;
- Program and Scientific Chair of International Workshop on Higher Education Learning Methodologies and Technologies Online (HELMeTO 2019);
- Special Session Chair of "Artificial Intelligence and Security (AISE)" in International Joint Conference on Neural Networks (IJCNN) IJCNN from 2017;
- PC member Fuzz-IEEE from 2017;
- Special Session Chair of Business Processes and Fuzzy Logic (BPFL) in Fuzz-IEEE from 2017;
- Special Session Chair and PC member ICSoft from 2018;
- Associate editor for International Journal of Natural Computing Research (IJNCR) from 2017;
- Associate editor for Journal of Information and Knowledge Management (JIKM) from 2016;
- Associate editor for Journal PeerJ from 2017;
- Reviewer IEEE Access Journal from 2017;
- Reviewer Big Data Research Journal from 2017;
- Reviewer Journal of Software: Evolution and Process from 2016;
- Program committee member of 7th ACM International Conference on Web Intelligence, Mining and Semantics (WIMS) 2017;
- Program committee member of The Twelfth International Conference on Software Engineering Advances (ICSEA) 2017;
- Program committee member of Collective Adaptive Systems and Middleware (CASM), Special Track of the 32nd ACM Symposium on Applied Computing (SAC) 2017;
- Program committee member of the ACM Symposium on Applied Computing (SAC) 2016;
- Program committee member of the Special Session on Process Mining of CIDM from 2015;
- Program committee member for 2nd International Conference on Fuzzy System and Data Mining

(FSDM 2016)

- Program committee member of the Special Session on Process Mining of the ICSSOC Workshop about Decision and Rule Mining (DRUM 2015);
- Program committee member of IEEE Symposium Series on Computational Intelligence from 2014;
- Program committee member of IEEE Congress on Evolutionary Computation dal 2014;
- Program committee member of Conference on Software Engineering and Applications (ICSOFT-EA) from 2013;
- Program committee member of the International Conference on Software Paradigm Trends (ICSOFT-PT) from 2013;
- Reviewer IEEE World Congress on Computational Intelligence (IEEE WCCI);
- Program committee member of the ACM International Conference on Systems, Programming, Languages and Applications: Software for Humanity (SPLASH 2013);
- Program committee member of the International Conference on Software Paradigm Trends (ICSOFT) from 2009 to 2012;
- Program committee member of the 14th IEEE International Symposium on Web Systems Evolution (WSE 2012);
- Program committee member of the International Conference on Software Paradigm Trends (IASTED 2012);
- Program committee member of the Conference on Information, Process, and Knowledge Management, IARIA;
- Program committee member of the 4th International Conference on Digital Society (ICDS 2010);
- Program committee member of the Conference ITAIS2008;
- Reviewer for International Conference on Software Maintenance (ICSM) from 2006 to 2008;
- Reviewer for 11th European Conference on Software Maintenance and Reengineering, (CSMR 2007);
- Reviewer for International Conference on Software Engineering and Knowledge, (SEKE) from 2007 to 2008;
- Reviewer for Software Engineering and Applications Conference (IASTED SEA 2006);
- Reviewer for 13th Working Conference on Reverse Engineering (WCRE 2006).

Best paper Awards

- Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli, Francesco Mercaldo, Game bot detection in online role player game through behavioural, 12th International Conference on Software Technologies (ICSOFT), 2017
- Mario Luca Bernardi, Marta Cimitile, and Fabrizio Maria Maggi: Automated development of constraint-driven web applications, 2016 ACM Symposium on Applied Computing (SAC 2016), 2016
- Mario Luca Bernardi, Marta Cimitile, Giuseppe De Ruvo, Giuseppe A. Di Lucca, Antonella Santone: Model Checking to Improve Precision of Design Pattern Instances Identification in OO Systems. ICSOFT-PT 2015: 53-63
- Mario Luca Bernardi, Marta Cimitile, Chiara Di Francescomarino, and Fabrizio Maria Maggi. Using discriminative rule mining to discover declarative process models with non-atomic activities In RuleML, pages 281-295, 2014
- Pasquale Ardimento, Maria Teresa Baldassarre, Marta Cimitile, and Giuseppe Visaggio. Empirical validation on knowledge packaging supporting knowledge transfer. In Proceeding of the 2th

International Conference on Software and Data Technologies (ICSOFT 2007), pages 212 - 218, 2007

- Boffoli Nicola, Cimitile Marta, Maggi Fabrizio M., and Visaggio Giuseppe. An approach to digital business ecosystems based on process models. In Alessandro D' Atri, Marco De Marco, Alessio Maria Braccini, and Francesca Cabiddu, editors, Management of the Interconnected World, pages 511 - 518. Physica-Verlag HD, 2010.

Teaching

Academic Years 2018-2019:

- Enterprise Information Management, CLEMI Master's Degree Unitelma Sapienza University, Italy
- Information Systems, CLEA Bachelor's Degree, Unitelma Sapienza University, Italy
- Data Mining, CLEMI Master Degree, Unitelma Sapienza University, Italy
- IT for E-Procurement. Master in Organization, management, innovation in PA, Unitelma Sapienza University, Italy
- Electronic Health. Master in Management and Health, Unitelma Sapienza University, Italy
- IT for E-Government. Master in Governance, management, e-government for PA, Unitelma Sapienza University, Italy
- IT for office and teaching activity, IRSAF

Academic Years 2016-2017, 2017-2018:

- Enterprise Information Management, CLEMI Master's Degree, Unitelma Sapienza University, Italy
- Information Systems, CLEA Bachelor's Degree, Unitelma Sapienza University, Italy
- Computational Statistics and Data Mining, CLEMI Master Degree, Unitelma Sapienza University, Italy
- IT for E-Procurement. Master in Organization, management, innovation in PA, Unitelma Sapienza University, Italy
- Electronic Health. Master in Management and Health, Unitelma Sapienza University, Italy
- IT for E-Government. Master in Governance, management, e-government for PA, Unitelma Sapienza University, Italy
- IT for office and teaching activity, IRSAF

Academic Years 2011-2012, 2012-2013, 2012-2014, 2014-2015

- Management Information Systems. Faculty of Economics, Unitelma Sapienza University, Italy
- Fundamentals of Computer Systems. Faculty of Jurisprudence, Unitelma Sapienza University, Italy
- Information Systems for PA. Faculty of Jurisprudence, Unitelma Sapienza University, Italy
- IT for E-Procurement. Master in Organization, management, innovation in PA, Unitelma Sapienza University, Italy
- Electronic Health. Master in Management and Health, Unitelma Sapienza University, Italy
- IT for E-Government. Master in Governance, management, e-government for PA, Unitelma Sapienza University, Italy
- IT for office and teaching activity, IRSAF

Academic Year 2011-2012

- Object oriented programming. Department of Engineering, IOL, University of Tor Vergata, Roma

Academic Years 2009-2010 and 2010-2011

- Management Information Systems. Faculty of Economics, Unitelma Sapienza University, Italy
- Fundamentals of Computer Systems. Faculty of Jurisprudence, Unitelma Sapienza University, Italy

Academic Year 2009-2010

- Digital Business Ecosystem (DBE) Management, Progetto MUR - Centro di Competenza ICT SUD
- Teacher assistant for the course of Software Engineering, Experimental methods, Quality Models. Department of Computer Science and TPS at University of Bari
- Introduction to the Technology Innovation Process and Business Processes. Progetto Innovation Management, PROGRAMMA FxO FORMAZIONE ED INNOVAZIONE PER L'OCUPAZIONE - Azione 3
- Information Systems and contract center, POR PUGLIA 2000-2006- Misura 4.20
- Management of Smart Supply chain systems in SME (Tecnico per la Gestione di Sistemi Logistici Intelligenti nelle Pmi)

Academic Year 2008-2009

- Management Information Systems. Faculty of Economics, TELMA University, Italy

Academic Year 2007-2008

- Management Information Systems. Faculty of Economics, TELMA University, Italy
- Fundamentals of Knowledge Management, Experience Factory e Open Innovation, Progetto CNOS -CoNOscenza per lo Sviluppo e Manutenzione Rapidi MIUR: n. 80 del 7/1/2003

Academic Years 2004-2005, 2005-2006, 2006-07

- Teacher assistant for the course of Software Engineering, Experimental methods, Quality Models. Department of Computer Science and TPS at University of Bari

Research and industrial projects

NANOCAN-Nanofotonica per la lotta al cancro Description: The main goal concerns the development of innovative platforms for the theranostics based on advanced fiber optic technology, through a single device, obtained by integration of various multifunctional fiber probes, engineered for the specific application e integrated into medical needles. It will be possible to have a single instrument capable of performing simultaneously diagnosis and therapy, ie teranostics, in vivo. Committer: Regione Campania, POR CAMPANIA FESR 2014/2020

Partecipants: Centro Regionale Information Communication Technology srl (CERICT), Università degli Studi del Sannio, Istituto nazionale delle Ricerche-Istituto per i Polimeri, Istituto Nazionale Tumori-Istituto G. Pascale, Compositi e Bionateriali, Teoresi group Spa, Biopox srl, Tecno Bios srl.
Role: Data Mining Supervisor- CERICT

Year: 2018-today.

Augmenting the Web-based learning experience with recommendations from multiple sources Description: Implementation and realization of Unitelma Sapienza E-Learning Platform integrated with recommendation algorithms.

Committer: Unitelma Sapienza

Partecipants: Laboratorio de Investigacion y Formacion en Informatica Avanzada, National University of La Plata, Argentina, Department of Cooperative Information Systems, Johannes Kepler University (JUK), Università Giustino Fortunato (Italy)

Role: Ricercatore partecipante.

Year: 2016-2017.

Augmenting the Web-based leaning experience with recommendations fom multiple sources Description: The project defines a recommending system to improve the Unielma Sapienza E-Learning platform

Role: participating researcher.

Year: 2016-2018.

TEMOTEC-TEcnologie e MOdelli per la Tutela degli Ecosistemi Culturali

Description: PON European project for the implementation of a platform to preserve the cultural heritage

Committer: Unitelma Sapienza Role: Process Mining area director

Year: 2016-2018.

Quantitative methods for Process Conformance Checking

Description: The project defines a Process Mining (PM) approach for process conformance checking

Committer: Unitelma Sapienza Role: Principal Investigator and Project Coordinator

Year: 2015-2016

Process Discovery from Streaming Event Log

Description: The project defines a Process Mining (PM) approach for real time extraction of knowledge about activities performed by the users of an Information System. Committer: Unitelma Sapienza, University of Tartu and University of Padua

Role: Principal Investigator and Project Coordinator

Year: 2013-2015

MODERN

Description: The project aims to investigate and introduce new methodologies and approaches for process innovation in industrial context according to the Enterprise 2.0 paradigm

Committer: PON Ricerca e Competitivit  2007-2013

Link: <http://www.cmpa.it/images/pdf/MODERN.pdf>

Role: Participating Researcher

Year: 2007-2013

EPHI (Erp Process Hlding)

Description: The project aims to develop a Knowledge Factoring supporting ERP application development

Committer: Abaco Software e Consulting and Ministero delle attivita  produttive

Role: Participating Researcher

Year: 2005-2008

DIPIS (DIstributed Production as Innovative System)

Description: It is an Apulia Region Strategic Project project aiming to improve competitiveness and productivity of ICT enterprises in Software development. The Software development must be oriented to the integration and cooperation among legacy applications of a company with all its related organizations

Committer: Apulia Region Strategic Project

Link: <http://www.ordingtaranto.it/bando-progetto-dipis/>

Role: Participating Researcher

Year: 2006-2010

ARTDECO (Adaptive infrastRucTures for DECentralised Organisations)

Description: The project aims at developing techniques and methods for the diffusion of "networked

enter- prises" among the Italian Small and Medium Enterprises, testing the proposed approach in association with companies working in two test fields (food and textile/fashion) during all the phases of the project, from the initial definition of requirements to the development of prototypes/demonstrators, through a flexible and iterative process, where the technological development advances together with knowledge acquisition and with the refinement of network mechanisms. To pursue such results, the research consists of three, tightly coupled macro-goals: Organization and business models for networked enterprises; Acquisition, modeling and automatic management of business knowledge derived from heterogeneous sources, including natural language; Technological autonomic pervasive infrastructure, based on smart peripheral devices (Wireless Sensor Networks and RFID)

Committer: FIRB Project

Link: <http://artdeco.elet.polimi.it>

Role: Participating Researcher

Year: 2005-2010

CNOS (Conoscenza per lo Sviluppo e la Manutenzione Rapidi)

Description: It is a MIUR project aiming to model, collect and manage the knowledge and experience for a more rapid and easy development and maintenance of software applications

Committer: Fondo Agevolazioni per la Ricerca (FAR) - D.Lgs. N. 297/1999 (D.M. 8 agosto 2000, n. 593)

Role: Participating Researcher Year: 2006-2008

LEGOM (LEGal Office Management) Description: The project aims to realize and test a Product Line approach for the Software development

Committer:Cartesio s.p.a and by Ministero delle Attivita' Produttive

Role: Participating Researcher

Year:2005

LORIET (LOw Risk Enterprise Transformation)

Description: The project aims to develop a Experience Factory for Software project risk management.

Committer:EDS-Italia and Ministero dell'Università e della Ricerca Scientifica e Tecnologica

Role: Participating Researcher

Year: D.M. 8 agosto 2000, n. 593

PHD schools

- Padova, from 5 to 14 September 2006, GII Summer School
- Bressanone, from 12 al 16 Settembre 2005, AiIG Summer School, in Business Engineering XIII edition

Stage and Foreign Experiences

- From 1 January 2003 to 30 November 2003: Stage at Computer Science Corporation, Roma. The stage aims to study the criticalities of Customer Relationship Management (CRM) technologies implementation and transferring in an industrial context
- From July to October 2007: Stage at Dilithium Inc. (<http://www.crunchbase.com/company/dilithium-networks>) in Petaluma, San Francisco (California), . Dilithium Inc. is leader in video for mobile networks, broadband and Internet. I was involved in the study of strategies for innovation and

tecnology transferring in italian market. I was also involved in CRM management activities

- From Genuary to February 2014: Visiting at University of Tartu. The visiting was finalized to perform the activities described and financed by the research project "IIPProcess Discovery from Streaming Event Log"

Knowledge transferring activities

- Founding member of the SpinOff of University of Bari named Software Engineering Research and Practices s.r.l. (www.serandp.com). The enterprise aims to transfer the research results in the industrial context
- Collaboration at the start up activities of Centro di Competenza DAISY-NET (www.daisy-net.com), financed by MIUR (Misura II.3 "Centri di Competenza Tecnologica" del Programma Operativo Nazionale (PON))

Journals and Book Chapters

- [1] Mario Luca Bernardi, Marta Cimitile, Damiano Distanto, Fabio Martinelli, and Francesco Mercaldo, Dynamic Malware Detection and Phylogeny analysis using Process Mining, *International Journal of Information Security (IJIS)* published by Springer, 2018.
- [2] Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli, and Francesco Mercaldo, A Machine Learning Approach for Game Bot Detection through Behavioural Features Communications in Computer and Information Science (CCIS) published by Springer, 2018.
- [3] Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli, and Francesco Mercaldo, Driver and Path Detection through Time-Series Classification. *Journal of Advanced Transportation*, vol. 2018, Article ID 1758731, 20 pages, 2018. <https://doi.org/10.1155/2018/1758731>.(Rivista di fascia A/B in area Computer Science Applications)
- [4] Mario Luca Bernardi, Marta Cimitile, Francesco Mercaldo, Cross-organizational Process Mining in Cloud Environments. *Journal of Information & Knowledge Management*, World Scientific, 2018.
- [5] Mario Luca Bernardi, Marta Cimitile, Chiara Di Francescomarino, Fabrizio Maria Maggi, Do activity lifecycles affect the validity of a business rule in a business process? *Information Systems*, Volume 62, December 2016, Pages 42-59, ISSN 0306-4379, <http://dx.doi.org/10.1016/j.is.2016.06.002>.
- [6] Mario Luca Bernardi, Marta Cimitile, Giuseppe De Ruvo, Giuseppe A. Di Lucca, and Antonella Santone. Integrating model driven and model checking to mine design patterns. *Communications in Computer and Information Science (CCIS) Series*, pages 1–19, 2016.
- [7] Bernardi Mario Luca, Cimitile Marta, and Giuseppe Antonio Di Lucca. Mining static and dynamic crosscutting concerns: a role based approach. *Journal of Software: Evolution and Process*, 2016.

- [8] Andrea Burattin, Marta Cimitile, Fabrizio Maria Maggi, and Alessandro Sperduti. Online discovery of declarative process models from event streams. *IEEE Transaction on Services Computing*, 8(6):833–846, 2015.
- [9] Mario Luca Bernardi, Marta Cimitile, and Giuseppe A. Di Lucca. Design pattern detection using a dsl-driven graph matching approach. *Journal of Software: Evolution and Process*, 26(12):1233–1266, 2014.
- [10] Gerardo Canfora, Luigi Cerulo, Marta Cimitile, and Massimiliano Di Penta. How changes affect software entropy: an empirical study. *Empirical Software Engineering*, 19(1):1–38, 2014.
- [11] Mario Luca Bernardi, Marta Cimitile, and Damiano Distanto. Web applications design recovery and evolution with RE-UWA. *Journal of Software: Evolution and Process*, 25(8):789–814, 2013.
- [12] Pasquale Ardimento, Nicola Boffoli, Danilo Caivano, and Marta Cimitile. Towards knowledge based risk management approach in software projects. *Risk Management Trends*, 2011.
- [13] Pasquale Ardimento, Maria Teresa Baldassarre, Marta Cimitile, and Giuseppe Visaggio. Empirical validation of knowledge packages as facilitators for knowledge transfer. *Journal of Information & Knowledge Management*, 08(03):229–240, 2009.
- [14] Pasquale Ardimento, Danilo Caivano, Marta Cimitile, and Giuseppe Visaggio. Empirical investigation of the efficacy and efficiency of tools for transferring software engineering knowledge. *Journal of Information & Knowledge Management (JIKM)*, 7(3):197–207, 2008.
- [15] Ardimento Pasquale, Cimitile Marta, and Visaggio Giuseppe. Knowledge management integrated with e-learning in open innovation. *Journal of e-Learning and Knowledge Society*, 2(3), 2006.

Conferences

- [1] Mario Luca Bernardi, Marta Cimitile, Martinelli Fabio and Mercaldo Francesco Keystroke Analysis for User Identification using Deep Learning Networks. In Proceeding of IEEE International Joint Conference on Neural Networks (IJCNN) 2019.
- [2] Pasquale Ardimento, Mario Luca Bernardi, Marta Cimitile and Giuseppe De Ruvo Learning analytics to improve coding abilities: a fuzzy-based process mining approach. In Proceeding of IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), 2019.
- [3] Mario Luca Bernardi, Marta Cimitile and Fabrizio Maggi Evaluating Coding Behavior in Software Development Processes: A Process Mining Approach. In Proceeding of IEEE International Conference on Software and Systems Process (ICSSP), 2019.
- [4] Pasquale Ardimento, Mario Luca Bernardi, Marta Cimitile and Giuseppe De Ruvo Mining developer’s behavior from web-based IDE logs. In Proceeding of 28th IEEE

International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE), 2019.

- [5] Mario Luca Bernardi, Marta Cimitile, Martinelli Fabio and Mercaldo Francesco Driver Identification: a Time Series Classification Approach. In Proceeding of IEEE International Joint Conference on Neural Networks (IJCNN) 2018.
- [6] Giovanni Acampora, Mario Luca Bernardi, Marta Cimitile, Genoveffa Tortora and Autilia Vitiello A Fuzzy Clustering-based Approach to study Malware Phylogeny. In Proceeding of IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), 2018.
- [7] Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli and Francesco Mercaldo An Ensemble Fuzzy Logic Approach to Game Bot Detection through Behavioural Features. In Proceeding of IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), 2018.
- [8] Pasquale Ardimento, Mario Luca Bernardi, Marta Cimitile A Multi-source Machine Learning approach to predict Defect Prone Components. In Proceedings of the 12th International Conference on Software Technologies (ICSOFT), 2018.
- [9] Giovanni Acampora, Mario Luca Bernardi, Marta Cimitile, Genoveffa Tortora, Autilia Vitiello A fuzzy-based autoscaling approach for process centered cloud systems. In Proceeding of IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), 2017.
- [10] Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli, Francesco Mercaldo A fuzzy-based process mining approach for dynamic malware detection. In Proceeding of IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), 2017.
- [11] Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli, Francesco Mercaldo Game bot detection in online role player game through behavioural In Proceedings of the 12th International Conference on Software Technologies (ICSOFT), 2017.
- [12] Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli, Francesco Mercaldo A time series classification approach to game bot detection In Proceedings of the 7th International Conference on Web Intelligence, Mining and Semantics (WIMS 2017), 2017.
- [13] Mario Luca Bernardi, Marta Cimitile, Damiano Distante and Francesco Mercaldo. A constraint-driven approach for dynamic malware detection. In 14th Annual Conference on Privacy, Security and Trust, (PST), 2016.
- [14] Mario Luca Bernardi, Marta Cimitile and Francesco Mercaldo. Process Mining Meets Malware Evolution: A Study of the Behavior of Malicious Code. in Proceedings of the Fourth International Symposium on Computing and Networking (CANDAR), 2016.
- [15] Mario Luca Bernardi Marta Cimitile Reducing Static Dependences Exploiting a Declarative Design Patterns Framework. In *ICSOFT-PT 2016 - Proceedings of the 10th International Conference on Software Paradigm Trends, Lisbon, Portugal, 22-24 July*, pages 154-160, 2016.

- [16] Mario Luca Bernardi, Marta Cimitile, and Fabrizio Maria Maggi. Automated development of constraint-driven web applications. In *Proceedings of the 2016 ACM Symposium on Applied Computing (SAC 2016)*, 2016.
- [17] Mario Luca Bernardi, Marta Cimitile, Giuseppe De Ruvo, Giuseppe A. Di Lucca, and Antonella Santone. Improving design patterns finder precision using a model checking approach. In *Proceedings of the CAiSE 2015 Forum at the 27th International Conference on Advanced Information Systems Engineering co-located with 27th International Conference on Advanced Information Systems Engineering (CAiSE 2015), Stockholm, Sweden, June 10th, 2015.*, pages 113–120, 2015.
- [18] Mario Luca Bernardi, Marta Cimitile, Giuseppe De Ruvo, Giuseppe A. Di Lucca, and Antonella Santone. Model checking to improve precision of design pattern instances identification in OO systems. In *ICSOFT-PT 2015 - Proceedings of the 10th International Conference on Software Paradigm Trends, Colmar, Alsace, France, 20-22 July, 2015.*, pages 53–63, 2015.
- [19] Claudio Di Ciccio, Mario Luca Bernardi, Marta Cimitile, and Fabrizio Maria Maggi. Generating event logs through the simulation of declare models. In *Enterprise and Organizational Modeling and Simulation - 11th International Workshop, EOMAS 2015, Held at CAiSE 2015, Stockholm, Sweden, June 8-9, 2015*, pages 20–36, 2015.
- [20] Mario L. Bernardi, Marta Cimitile, and Giuseppe A. Di Lucca. Declarative design pattern-based development using aspect oriented programming. In *Proceedings of the 29th Annual ACM Symposium on Applied Computing, SAC '14*, pages 1625–1630, New York, NY, USA, 2014. ACM.
- [21] Mario Luca Bernardi, Marta Cimitile, Chiara Di Francescomarino, and Fabrizio Maria Maggi. Using discriminative rule mining to discover declarative process models with non-atomic activities (best paper award 2014). In *RuleML*, pages 281–295, 2014.
- [22] Mario Luca Bernardi, Marta Cimitile, and Fabrizio Maria Maggi. Discovering cross-organizational business rules from the cloud. In *2014 IEEE Symposium on Computational Intelligence and Data Mining, CIDM 2014, Orlando, FL, USA, December 9-12, 2014*, pages 389–396, 2014.
- [23] Andrea Burattin, Marta Cimitile, and Fabrizio Maria Maggi. Lights, camera, action! business process movies for online process discovery. In *Business Process Management Workshops - BPM 2014 International Workshops, Eindhoven, The Netherlands, September 7-8, 2014, Revised Papers*, pages 408–419, 2014.
- [24] Pasquale Ardimento, Marta Cimitile, and Giuseppe Visaggio. Distributed software development with knowledge experience packages. In *On the Move to Meaningful Internet Systems: OTM 2013 Workshops (OTM Workshops)*, pages 263–273, 2013.
- [25] Mario Luca Bernardi, Marta Cimitile, and Giuseppe Antonio Di Lucca. A model-driven graph-matching approach for design pattern detection. In *20th Working Conference on Reverse Engineering (WCRE 2013)*, pages 172–181, 2013.
- [26] Mario Luca Bernardi, Marta Cimitile, and Fabrizio Maria Maggi. Process lines for automatic workflow development. In *ICSOFT 2013 - Proceedings of the 8th*

International Joint Conference on Software Technologies, Reykjavík, Iceland, 29-31 July, 2013, pages 41–49, 2013.

- [27] Mario Luca Bernardi, Giuseppe Antonio Di Lucca, Damiano Distanto, and Marta Cimitile. Model driven evolution of web applications. In *15th IEEE International Symposium on Web Systems Evolution, (WSE 2013)*, pages 45–50, 2013.
- [28] Fabrizio Maria Maggi, Andrea Burattin, Marta Cimitile, and Alessandro Sperduti. Online process discovery to detect concept drifts in Itl-based declarative process models. In *On the Move to Meaningful Internet Systems: OTM 2013 Conferences - Confederated International Conferences: CoopIS*, pages 94–111, 2013.
- [29] Mario Luca Bernardi, Marta Cimitile, Giuseppe A. Di Lucca, and Fabrizio Maria Maggi. Development of flexible process-centric web applications: An integrated model driven approach. In *Proceedings of 14th IEEE International Symposium on Web Systems Evolution (WSE 2012)*, pages 67–71, 2012.
- [30] Mario Luca Bernardi, Marta Cimitile, Giuseppe Antonio Di Lucca, and Fabrizio Maria Maggi. M3d: a tool for the model driven development of web applications. In *Proceedings of the Twelfth International Workshop on Web Information and Data Management (WIDM 2012)*, pages 73–80, 2012.
- [31] Mario Luca Bernardi, Marta Cimitile, Giuseppe Antonio Di Lucca, and Fabrizio Maria Maggi. Using declarative workflow languages to develop process-centric web applications. In *Proceedings of the 16th IEEE International Enterprise Distributed Object Computing Conference Workshops (EDOC Workshops)*, pages 56–65, 2012.
- [32] Mario Luca Bernardi, Marta Cimitile, and Fabrizio Maria Maggi. Model driven development of process-centric web applications. In *Proceeding of the 7th International Conference on Software and Data Technologies (ICSOFT 2012)*, pages 340–346, 2012.
- [33] Marta Cimitile, Matteo Gaeta, and Vincenzo Loia. An ontological multi-criteria optimization system for workforce management. In *Proceedings of the IEEE Congress on Evolutionary Computation (CEC 2012)*, pages 1–7, 2012.
- [34] Bernardi Mario Luca, Cimitile Marta, and Di Lucca Giuseppe. Model driven development of cross-platform mobile applications. In *Proceeding of the 11th International Conference on Software Engineering and Applications (IASTED SEA)*. ACTA Press, 2012.
- [35] Gerardo Canfora, Luigi Cerulo, Marta Cimitile, and Massimiliano Di Penta. Social interactions around cross-system bug fixings: the case of freebsd and openbsd. In *Proceedings of the 8th International Working Conference on Mining Software Repositories (MSR 2011)*, pages 143–152, 2011.
- [36] Marta Cimitile, Michele Risi, and Genoveffa Tortora. Automatic generation of multi platform web map mobile applications. In *Proceedings of the 17th International Conference on Distributed Multimedia Systems (DMS 2011)*, pages 84–89, 2011.

- [37] Pasquale Ardimento, Maria Teresa Baldassarre, Nicola Boffoli, and Marta Cimitile. Knowledge packaging for supporting software development. In *Proceedings of the IEEE International Conference on Management Science and Information Engineering (ICMSIE)*, 2010.
- [38] Mario Luca Bernardi, Marta Cimitile, Damiano Distanto, and Francesco Mazzone. Web applications design evolution with uwa (best paper award 2010). In *Proceedings of the 12th IEEE International Symposium on Web Systems Evolution (WSE 2010)*, pages 3–12, 2010.
- [39] Boffoli Nicola, Cimitile Marta, Maggi Fabrizio M., and Visaggio Giuseppe. An approach to digital business ecosystems based on process models (best paper award 2010). In Alessandro D'Atri, Marco De Marco, Alessio Maria Braccini, and Francesca Cabiddu, editors, *Management of the Interconnected World*, pages 511–518. Physica-Verlag HD, 2010.
- [40] Ardimento Pasquale, Bruno Giovanni, Caivano Danilo, and Cimitile Marta. A maintenance metric model for open source governance. In Alessandro D'Atri and Domenico Sacca', editors, *Information Systems: People, Organizations, Institutions, and Technologies*, pages 139–146. Physica-Verlag HD, 2010.
- [41] Ardimento Pasquale, Baldassarre Maria Teresa, Cimitile Marta, and Mastelloni Gemma. Key performance indicators to relate knowledge governance with knowledge process. In Alessandro D'Atri and Domenico Sacca', editors, *Information Systems: People, Organizations, Institutions, and Technologies*, pages 147–155. Physica-Verlag HD, 2010.
- [42] Pasquale Ardimento, Maria Teresa Baldassarre, Marta Cimitile, and Giuseppe Visaggio. Empirical experimentation for validating the usability of knowledge packages in transferring innovations. In Joaquim Filipe, Boris Shishkov, Markus Helfert, and LeszekA. Maciaszek, editors, *Software and Data Technologies*, volume 22 of *Communications in Computer and Information Science*, pages 357–370. Springer Berlin Heidelberg, 2009.
- [43] Nicola Boffoli, Marta Cimitile, and Fabrizio Maria Maggi. Managing business process flexibility and reuse through business process lines. In *Proceedings of the 4th International Conference on Software and Data Technologies (ICSOFT)*, pages 61–68, 2009.
- [44] Marta Cimitile, Fabrizio Maria Maggi, Gemma Mastelloni, and Giuseppe Visaggio. Tacit suggestions extraction process for consumer-oriented services. In *Proceedings of the third International Conference on the Digital Society (ICDS 2009)*, pages 161–167, 2009.
- [45] Boffoli Nicola, Cimitile Marta, Maggi Fabrizio M., and Visaggio Giuseppe. Managing soa system variation through business process lines and process oriented development. In *13th International Software Product Line Conference (SPLC)*, pages 24–28, 2009.
- [46] Pasquale Ardimento, Danilo Caivano, Maria Teresa Baldassarre, Marta Cimitile, and Giuseppe Visaggio. Controlled experiment on search engine knowledge extraction

- capabilities. In *Proceeding of the 3th International Conference on Software and Data Technologies (ICSOFT 2008)*, pages 388–395, 2008.
- [47] Ardimento Pasquale and Cimitile Marta. An empirical study on software engineering knowledge/experience packages. In *Proceedings of the 9th international conference on Product-Focused Software Process Improvement (PROFES 2008)*, pages 289–303, Berlin, Heidelberg, 2008. Springer-Verlag.
- [48] Pasquale Ardimento, Maria Teresa Baldassarre, Marta Cimitile, and Giuseppe Visaggio. Empirical validation on knowledge packaging supporting knowledge transfer (best paper award 2007). In *Proceeding of the 2th International Conference on Software and Data Technologies (ICSOFT 2007)*, pages 212–218, 2007.
- [49] Ardimento Pasquale, Boffoli Nicola, Cimitile Marta, Masone Andrea, and Tammaro Aldo. Empirical investigation on knowledge packaging supporting risk management in software processes. In *9th International Conference on Software Engineering and Applications (IASTED SEA)*. ACTA Press, 2007.
- [50] Ardimento Pasquale, Boffoli Nicola, Cimitile Marta, Persico Antonio, and Tammaro Antonio. Knowledge packaging supporting risk management in software processes. In *Proceeding of the 10th International Conference on Software Engineering and Applications (IASTED SEA)*. ACTA Press, 2006.
- [51] Boffoli Nicola, Cimitile Marta, Persico Aldo, and Tammaro Aldo. Knowledge based risk management in software processes. In *STEP 2005*, page 68. Citeseer, 2005.
- [52] Bellini Emilio, Cimitile Marta, and Visaggio Aaron. Un approccio contingente al riuso dei modelli di business. In *Proceeding of the AICA Conference*. AICA, 2004.
- [53] Ardimento Pasquale, Cimitile Marta, and Visaggio Giuseppe. La fabbrica dell'esperienza nell'open innovation. In *Proceeding of the AICA Conference*. AICA, 2004.

Dichiaro di aver letto e compreso l'informativa per il trattamento dei dati dei candidati ai sensi del Reg. UE 679/2016 e presto il mio consenso per il trattamento dei dati personali, appartenenti alle categorie particolari, eventualmente contenuti nel mio curriculum vitae.

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