

Rick Rabiser

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

2,174
citations

516710

16
h-index

434195

31
g-index

121
all docs

121
docs citations

121
times ranked

795
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Multidisciplinary Delta-Oriented Variability Management in Cyber-Physical Production Systems. , 2022, , .		10
2	Efficient Production Process Variability Exploration. , 2022, , .		7
3	Evolution Support for Custom Variability Artifacts Using Feature Models: A Study in the Cyber-Physical Production Systems Domain. Lecture Notes in Computer Science, 2022, , 79-84.	1.3	1
4	Evolution in dynamic software product lines. Journal of Software: Evolution and Process, 2021, 33, e2293.	1.6	10
5	Towards Mastering Variability in Software-Intensive Cyber-Physical Production Systems. Procedia Computer Science, 2021, 180, 50-59.	2.0	22
6	TRAVART: An Approach for Transforming Variability Models. , 2021, , .		12
7	Testing of Highly Configurable Cyber-Physical Systems – A Multiple Case Study. , 2021, , .		7
8	Towards heterogeneous multi-dimensional variability modeling in cyber-physical production systems. , 2021, , .		5
9	Yet another textual variability language?. , 2021, , .		23
10	A reusable set of real-world product line case studies for comparing variability models in research and practice. , 2021, , .		7
11	How flexible must a transformation approach for variability models and custom variability representations be?. , 2021, , .		0
12	A Systematic Study as Foundation for a Variability Modeling Body of Knowledge. , 2021, , .		3
13	Assessing the Usefulness of a Visual Programming IDE for Large-Scale Automation Software. , 2021, , .		7
14	Variability Model Transformations: Towards Unifying Variability Modeling. , 2020, , .		6
15	Third International Workshop on Languages for Modelling Variability (MODEVAR@SPLC 2020). , 2020, , .		1
16	Towards Transforming Variability Models. , 2020, , .		5
17	Variability Transformation from Industrial Engineering Artifacts. , 2020, , .		12
18	Predicting user demographics from music listening information. Multimedia Tools and Applications, 2019, 78, 2897-2920.	3.9	16

#	ARTICLE	IF	CITATIONS
19	First International Workshop on Languages for Modelling Variability (MODEVAR 2019). , 2019, , .		7
20	Industrial and Academic Software Product Line Research at SPLC. , 2019, , .		6
21	A domain analysis of resource and requirements monitoring: Towards a comprehensive model of the software monitoring domain. Information and Software Technology, 2019, 111, 86-109.	4.4	16
22	Comparing Constraints Mined From Execution Logs to Understand Software Evolution. , 2019, , .		0
23	A User Study on the Usefulness of Visualization Support for Requirements Monitoring. , 2019, , .		3
24	Using Constraint Mining to Analyze Software Development Processes. , 2019, , .		3
25	A Constraint Mining Approach to Support Monitoring Cyber-Physical Systems. Lecture Notes in Computer Science, 2019, , 659-674.	1.3	5
26	Mining constraints for monitoring systems of systems. , 2019, , .		1
27	CASE Tool Support for Variability Management in Software Product Lines. ACM Computing Surveys, 2018, 50, 1-45.	23.0	51
28	SPLtea 2018. , 2018, , .		0
29	Teaching software product lines. , 2018, , .		3
30	Monitoring CPS at Runtime - A Case Study in the UAV Domain. , 2018, , .		12
31	Supporting Diagnosis of Requirements Violations in Systems of Systems. , 2018, , .		1
32	A study and comparison of industrial vs. academic software product line research published at SPLC. , 2018, , .		18
33	A comparison framework for runtime monitoring approaches (journal-first abstract). , 2018, , .		0
34	Developing and evolving a DSL-based approach for runtime monitoring of systems of systems. Automated Software Engineering, 2018, 25, 875-915.	2.9	11
35	Variability and Complexity in Software Design. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2017, 41, 27-30.	0.7	11
36	A comparison framework for runtime monitoring approaches. Journal of Systems and Software, 2017, 125, 309-321.	4.5	47

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37	An Event-based Capture-and-Compare Approach to Support the Evolution of Systems of Systems. , 2017, , .		2
38	Prediction of User Demographics from Music Listening Habits. , 2017, , .		4
39	Teaching Software Product Lines. ACM Transactions on Computing Education, 2017, 18, 1-31.	3.5	16
40	A Systematic Mapping Study on DSL Evolution. , 2017, , .		5
41	Mining constraints for event-based monitoring in systems of systems. , 2017, , .		5
42	Visualization support for requirements monitoring in systems of systems. , 2017, , .		5
43	From Requirements Monitoring to Diagnosis Support in System of Systems. Lecture Notes in Computer Science, 2017, , 181-187.	1.3	5
44	Assessing the usefulness of a requirements monitoring tool. , 2016, , .		12
45	Requirements monitoring frameworks: A systematic review. Information and Software Technology, 2016, 80, 89-109.	4.4	34
46	Monitoring Requirements in Systems of Systems. IEEE Software, 2016, 33, 22-24.	1.8	0
47	Event capture and compare for runtime monitoring of systems of systems. , 2016, , .		2
48	ReMinds : A flexible runtime monitoring framework for systems of systems. Journal of Systems and Software, 2016, 112, 123-136.	4.5	44
49	The ReMinds Tool Suite for Runtime Monitoring of Systems of Systems. , 2015, , .		1
50	Developing a DSL-Based Approach for Event-Based Monitoring of Systems of Systems: Experiences and Lessons Learned (E). , 2015, , .		14
51	A requirements monitoring model for systems of systems. , 2015, , .		11
52	Supporting distributed product configuration by integrating heterogeneous variability modeling approaches. Information and Software Technology, 2015, 62, 78-100.	4.4	40
53	SPLTea 2015. , 2015, , .		2
54	Variability Management for a Runtime Monitoring Infrastructure. , 2015, , .		7

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55	Evolution in dynamic software product lines. , 2015, , .		13
56	Systematic Knowledge Engineering: Building Bodies of Knowledge from Published Research. International Journal of Software Engineering and Knowledge Engineering, 2014, 24, 1533-1571.	0.8	8
57	Configuring and Generating Technical Documents. , 2014, , 241-250.		1
58	Modeling multiplicity and hierarchy in product line architectures. , 2014, , .		9
59	A case study on testing, commissioning, and operation of very-large-scale software systems. , 2014, , .		27
60	A Flexible Framework for Runtime Monitoring of System-of-Systems Architectures. , 2014, , .		13
61	Supporting Multiplicity and Hierarchy in Model-Based Configuration: Experiences and Lessons Learned. Lecture Notes in Computer Science, 2014, , 320-336.	1.3	5
62	SPLTea 2014. , 2014, , .		3
63	A survey on teaching of software product lines. , 2013, , .		8
64	Evolving systems of systems. , 2013, , .		6
65	Success factors for empirical studies in industry-academia collaboration: A reflection. , 2013, , .		10
66	Integrating heterogeneous variability modeling approaches with invar. , 2013, , .		8
67	Custom-developed vs. model-based configuration tools. , 2013, , .		15
68	First International Workshop on Multi Product Line Engineering (MultiPLE 2013). , 2013, , .		0
69	Joint Workshop of the 5th International Workshop on Model-Driven Approaches in Software Product Line Engineering and the 4th Workshop on Scalable Modeling Techniques for Software Product Lines (MAPLE/SCALE 2013). , 2013, , .		0
70	Fourth International Workshop on Model-driven Approaches in Software Product Line Engineering (MAPLE 2012). , 2012, , .		1
71	SPLC 2012 Doctoral Symposium. , 2012, , .		0
72	Supporting end users with business calculations in product configuration. , 2012, , .		3

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73	Facilitating the evolution of products in product line engineering by capturing and replaying configuration decisions. International Journal on Software Tools for Technology Transfer, 2012, 14, 613-630.	1.9	17
74	Software diversity: state of the art and perspectives. International Journal on Software Tools for Technology Transfer, 2012, 14, 477-495.	1.9	129
75	Cool features and tough decisions. , 2012, , .		255
76	Supporting Model Maintenance in Component-based Product Lines. , 2012, , .		1
77	A qualitative study on user guidance capabilities in product configuration tools. , 2012, , .		41
78	Using regression testing to analyze the impact of changes to variability models on products. , 2012, , .		12
79	A systematic review and an expert survey on capabilities supporting multi product lines. Information and Software Technology, 2012, 54, 828-852.	4.4	112
80	Evolution-Driven Trace Acquisition in Eclipse-Based Product Line Workspaces. , 2012, , 195-213.		7
81	A comparison of decision modeling approaches in product lines. , 2011, , .		89
82	Formal Methods and Analysis in Software Product Line Engineering (FMSPLE 2011). , 2011, , .		1
83	Configuration of Multi Product Lines by Bridging Heterogeneous Variability Modeling Approaches. , 2011, , .		27
84	Using constraint programming to verify DOPLER variability models. , 2011, , .		15
85	Product line bundles for tool support in multi product lines. , 2011, , .		14
86	Visualization techniques for application in interactive product configuration. , 2011, , .		13
87	The DOPLER meta-tool for decision-oriented variability modeling: a multiple case study. Automated Software Engineering, 2011, 18, 77-114.	2.9	146
88	Key activities for product derivation in software product lines. Journal of Systems and Software, 2011, 84, 285-300.	4.5	17
89	Supporting business calculations in a product line engineering tool suite. , 2011, , .		2
90	Joint Workshop of the Third International Workshop on Model-Driven Approaches in Software Product Line Engineering and the Third Workshop on Scalable Modeling Techniques for Software Product Lines (MAPLE/SCALE 2011). , 2011, , .		0

#	ARTICLE	IF	CITATIONS
91	A Deployment Infrastructure for Product Line Models and Tools. , 2011, , .		9
92	Structuring the modeling space and supporting evolution in software product line engineering. Journal of Systems and Software, 2010, 83, 1108-1122.	4.5	90
93	Requirements for product derivation support: Results from a systematic literature review and an expert survey. Information and Software Technology, 2010, 52, 324-346.	4.4	82
94	Simulating evolution in model-based product line engineering. Information and Software Technology, 2010, 52, 758-769.	4.4	13
95	Flexible and scalable consistency checking on product line variability models. , 2010, , .		50
96	Negotiation constellations in reactive product line evolution. , 2010, , .		6
97	A Flexible Approach for Generating Product-Specific Documents in Product Lines. Lecture Notes in Computer Science, 2010, , 47-61.	1.3	10
98	Three-Level Customization of Software Products Using a Product Line Approach. , 2009, , .		7
99	Model-Based Customization and Deployment of Eclipse-Based Tools: Industrial Experiences. , 2009, , .		24
100	Flexibility and End-User Support in Model-Based Product Line Tools. , 2009, , .		11
101	Agile product line planning: A collaborative approach and a case study. Journal of Systems and Software, 2008, 81, 868-882.	4.5	67
102	Supporting the Evolution of Product Line Architectures with Variability Model Fragments. , 2008, , .		10
103	Product Line Tools are Product Lines Too: Lessons Learned from Developing a Tool Suite. , 2008, , .		11
104	Supporting Evolution in Model-Based Product Line Engineering. , 2008, , .		18
105	2nd International Workshop on Visualisation in Software Product Line Engineering (ViSPLE 2008). , 2008, , .		3
106	Domain-specific Adaptations of Product Line Variability Modeling. , 2007, , 238-251.		14
107	Integrated Support for Product Configuration and Requirements Engineering in Product Derivation. , 2007, , .		17
108	Involving Non-Technicians in Product Derivation and Requirements Engineering: A Tool Suite for Product Line Engineering. , 2007, , .		4

#	ARTICLE	IF	CITATIONS
109	Configuration. IEEE Intelligent Systems, 2007, 22, 78-90.	4.0	45
110	Decision-Oriented Modeling of Product Line Architectures. , 2007, , .		18
111	Integrated tool support for software product line engineering. , 2007, , .		19
112	Supporting Product Derivation by Adapting and Augmenting Variability Models. , 2007, , .		30
113	Supporting Product Derivation by Adapting and Augmenting Variability Models. , 2007, , .		3
114	Capturing Multimedia Requirements Descriptions with Mobile RE Tools. , 2006, , .		8
115	Architectural Knowledge in Product Line Engineering: An Industrial Case Stu. , 0, , .		11