

Kleanthis Thramboulidis

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,163
citations

623734

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580821

25
g-index

44
all docs

44
docs citations

44
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	CPuS-IoT: A cyber-physical microservice and IoT-based framework for manufacturing assembly systems. Annual Reviews in Control, 2019, 47, 237-248.	7.9	35
2	Towards an IoT-based Framework for Evolvable Assembly Systems. IFAC-PapersOnLine, 2018, 51, 182-187.	0.9	12
3	Cyber-physical microservices: An IoT-based framework for manufacturing systems. , 2018, , .		51
4	Comments on "Bridging Service-Oriented Architecture and IEC 61499 for Flexibility and Interoperability". IEEE Transactions on Industrial Informatics, 2017, 13, 1494-1496.	11.3	9
5	IoT-based integration of IEC 61131 industrial automation systems: The case of UML4IoT. , 2016, , .		9
6	UML4IoT "A UML-based approach to exploit IoT in cyber-physical manufacturing systems. Computers in Industry, 2016, 82, 259-272.	9.9	140
7	An open distributed architecture for flexible hybrid assembly systems: a model-driven engineering approach. International Journal of Advanced Manufacturing Technology, 2016, 85, 1449-1460.	3.0	6
8	A cyber-physical system-based approach for industrial automation systems. Computers in Industry, 2015, 72, 92-102.	9.9	85
9	Comments on "A model-based design methodology for the development of mechatronic systems". Mechatronics, 2015, 28, 1-3.	3.3	2
10	Service Acquisition for Mobile Users in Future Internet. Wireless Personal Communications, 2014, 74, 189-209.	2.7	0
11	An industrial evaluation of SysML: The case of a nuclear automation modernization project. , 2013, , .		7
12	Integration of model-based engineering with system safety analysis. International Journal of Industrial and Systems Engineering, 2013, 15, 193.	0.2	8
13	On Formal Verification of Function Block Applications in Safety-related Software Development. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 109-114.	0.4	2
14	IEC 61499 as an Enabler of Distributed and Intelligent Automation: A State-of-the-Art Review "A Different View. Journal of Engineering (United States), 2013, 2013, 1-9.	1.0	15
15	IEC 61499 vs. 61131: A Comparison Based on Misperceptions. Journal of Software Engineering and Applications, 2013, 06, 405-415.	1.1	19
16	IEC 61131 as enabler of OO and MDD in industrial automation. , 2012, , .		2
17	Function Block Diagram to UPPAAL Timed Automata Transformation Based on Formal Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1653-1659.	0.4	10
18	Transformation of Function Block Diagrams to UPPAAL timed automata for the verification of safety applications. Annual Reviews in Control, 2012, 36, 338-345.	7.9	25

#	ARTICLE	IF	CITATIONS
19	IEC 61499: Back to the well proven practice of IEC 61131?. , 2012, , .		14
20	Towards an Object-Oriented extension for IEC 61131. , 2012, , .		6
21	Towards an automated verification process for industrial safety applications. , 2011, , .		3
22	An MDD process for IEC 61131-based industrial automation systems. , 2011, , .		38
23	Towards a Model-Driven IEC 61131-Based Development Process in Industrial Automation. Journal of Software Engineering and Applications, 2011, 04, 217-226.	1.1	79
24	An RTSJ-based framework for model-driven development in distributed control and automation. International Journal of Industrial and Systems Engineering, 2011, 7, 518.	0.2	1
25	A Real-Time-Linux-Based Framework for Model-Driven Engineering in Control and Automation. IEEE Transactions on Industrial Electronics, 2011, 58, 914-924.	7.9	41
26	A methodology to upgrade legacy industrial systems to meet safety regulations. , 2011, , .		6
27	3+1 SysML view model for IEC61499 Function Block control systems. , 2010, , .		17
28	Integrating the 3+1 SysML view model with safety engineering. , 2010, , .		18
29	The 3+1 SysML View-Model in Model Integrated Mechatronics. Journal of Software Engineering and Applications, 2010, 03, 109-118.	1.1	104
30	Different perspectives [Face to Face; "IEC 61499 function block model: Facts and fallacies". IEEE Industrial Electronics Magazine, 2009, 3, 7-26.	2.6	35
31	A knowledge-based framework for complex, proactive and service-oriented e-negotiation systems. Electronic Commerce Research, 2009, 9, 317-349.	5.0	15
32	Towards a Knowledge-Base for Building Complex, Proactive and Service-Oriented E-negotiation Systems. , 2008, , .		2
33	Comments on "Object-Oriented Modeling of Complex Mechatronic Components for the Manufacturing Industry. IEEE/ASME Transactions on Mechatronics, 2008, 13, 485-487.	5.8	2
34	Challenges in the development of Mechatronic systems: The Mechatronic Component. , 2008, , .		45
35	Implementation model alternatives for IEC 61499 Function Block networks. , 2008, , .		7
36	SLA e-Negotiations, Enforcement and Management in an Autonomic Environment. Lecture Notes in Computer Science, 2008, , 120-125.	1.3	7

#	ARTICLE	IF	CITATIONS
37	An IEC61499-based development approach for distributed industrial control applications. International Journal of Modelling, Identification and Control, 2008, 4, 186.	0.2	13
38	Comments on "A Methodology for the Development of Distributed Real-Time Control Applications With Focus on Task Allocation in Heterogeneous Systems. IEEE Transactions on Industrial Electronics, 2007, 54, 1245-1248.	7.9	1
39	Dynamic Service Deployment using an Ontologybased Description of Devices and Services. , 2007, , .		4
40	Model driven development of distributed control applications. International Journal of Advanced Manufacturing Technology, 2007, 33, 233-242.	3.0	52
41	Design Alternatives in the IEC 61499 Function Block Model. , 2006, , .		12
42	A tool supported engineering process for developing control applications. Computers in Industry, 2006, 57, 462-472.	9.9	26
43	An IEC61499 Execution Environment for an agile-based Field Device. , 2006, , .		3
44	Model-Integrated Mechatronicsâ€”Toward a New Paradigm in the Development of Manufacturing Systems. IEEE Transactions on Industrial Informatics, 2005, 1, 54-61.	11.3	175