

# Paul De Meulenaere

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

125  
citations

1683934

5  
h-index

1474057

9  
g-index

24  
all docs

24  
docs citations

24  
times ranked

128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semantic adaptation for FMI co-simulation with hierarchical simulators. <i>Simulation</i> , 2019, 95, 241-269.	1.1	18
2	Extending Multilevel Statistical Entropy Analysis towards Plastic Recyclability Prediction. <i>Sustainability</i> , 2021, 13, 3553.	1.6	18
3	Sensors on Vehicles (SENSOVO) – Proof-of-concept for Road Surface Distress Detection with Wheel Accelerations and ToF Camera Data Collected by a Fleet of Ordinary Vehicles. <i>Transportation Research Procedia</i> , 2016, 14, 2966-2975.	0.8	17
4	Valid (Re-)Use of Models-of-the-Physics in Cyber-Physical Systems Using Validity Frames. , 2019, , .		13
5	DEVS for AUTOSAR-based system deployment modeling and simulation. <i>Simulation</i> , 2017, 93, 489-513.	1.1	11
6	Leveraging Domain Knowledge for the Efficient Design-Space Exploration of Advanced Cyber-Physical Systems. , 2019, , .		5
7	A hybrid timing analysis method based on the isolation of software code block. <i>Internet of Things (Netherlands)</i> , 2020, 11, 100230.	4.9	5
8	Improving Digital Twin Experience Reports. , 2021, , .		5
9	A Library of Embedded Platform Components for the Simulation of Real-Time Embedded Systems. , 2019, , .		4
10	Development and embedded deployment of a virtual load sensor for wind turbine gearboxes. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 022011.	0.3	4
11	Ontological reasoning in the design space exploration of advanced cyber-physical systems. <i>Microprocessors and Microsystems</i> , 2021, 85, 104151.	1.8	4
12	Cation Ordering in [(Ti,M)O] Layers of $\text{La}_{1-x}\text{Sr}_x\text{CuO}_2$ -Based Cuprates: Similarity to Ordering in fcc-Based Alloys. <i>Journal of Solid State Chemistry</i> , 1997, 132, 113-122.	1.4	3
13	Validity Frame Driven Computational Design Synthesis for Complex Cyber-Physical Systems. <i>Communications in Computer and Information Science</i> , 2020, , 82-90.	0.4	3
14	Impact of software architecture on execution time: a power window TACLeBench case study. <i>International Journal of Grid and Utility Computing</i> , 2019, 10, 132.	0.1	2
15	Component-based Timing Analysis for Embedded Software Components in Cyber-Physical Systems. , 2020, , .		2
16	Towards a Hybrid Probabilistic Timing Analysis. <i>Advances in Science, Technology and Engineering Systems</i> , 2021, 6, 1360-1368.	0.4	2
17	Ontological Reasoning as an Enabler of Contract-Based Co-design. <i>Lecture Notes in Computer Science</i> , 2017, , 101-115.	1.0	2
18	Automatic Generation of Workflows for Efficient Design Space Exploration for Cyber-Physical Systems. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Model-Based Physical System Deployment on Embedded Targets with Contract-Based Design. , 2017, , .		1
20	Validity Frame Supported Digital Twin Design of Complex Cyber-Physical Systems. , 2021, , .		1
21	Towards Co-simulation of Embedded Platforms and Physics-Based Models. , 2018, , .		0
22	Impact of software architecture on execution time: a power window TACLeBench case study. International Journal of Grid and Utility Computing, 2019, 10, 132.	0.1	0