

# Georg Weichhart

## List of Publications by Year in descending order

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64  
papers

951  
citations

840119

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h-index

476904

29  
g-index

71  
all docs

71  
docs citations

71  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	AI-enabled Enterprise Information Systems for Manufacturing. Enterprise Information Systems, 2022, 16, 668-720.	3.3	25
2	Control for smart systems: Challenges and trends in smart cities. Annual Reviews in Control, 2022, 53, 358-369.	4.4	11
3	An IFIP WG5.8 State-of-the-Art View on Methods and Approaches for Interoperable Enterprise Systems. IFIP Advances in Information and Communication Technology, 2021, , 222-244.	0.5	1
4	The ROBxTASK architecture for interoperability of robotic systems. , 2021, , .		5
5	An adaptive system-of-systems approach for resilient manufacturing. Elektrotechnik Und Informationstechnik, 2021, 138, 341-348.	0.7	8
6	Interoperability in the cyber-physical manufacturing enterprise. Annual Reviews in Control, 2021, 51, 346-356.	4.4	26
7	Production Process Interoperability for Cyber-Physical Production Systems. IFAC-PapersOnLine, 2021, 54, 906-911.	0.5	1
8	Capability-Based Process Modeling and Control. , 2020, , .		4
9	Task-Based Design of Cyber-Physical Systems â€œ Meeting Representational Requirements with S-BPM. Communications in Computer and Information Science, 2020, , 63-73.	0.4	6
10	Design Science as Methodological Approach to Interoperability Engineering in Digital Production. Lecture Notes in Computer Science, 2020, , 13-22.	1.0	1
11	Human/machine/roboter: technologies for cognitive processes. Elektrotechnik Und Informationstechnik, 2019, 136, 313-317.	0.7	4
12	Special section on Industry 4.0: Challenges for the future in manufacturing. Annual Reviews in Control, 2019, 47, 198-199.	4.4	2
13	Information Systems for Steel Production: The Importance of Resilience. Lecture Notes in Computer Science, 2019, , 45-54.	1.0	1
14	Challenges for the cyber-physical manufacturing enterprises of the future. Annual Reviews in Control, 2019, 47, 200-213.	4.4	225
15	Scientific Discussion: Open Reviews of â€œARTI Reference Architecture â€œ PROSA Revisitedâ€œ. Studies in Computational Intelligence, 2019, , 20-37.	0.7	3
16	Flexibility and Interoperability of Production Processes Units. Lecture Notes in Computer Science, 2019, , 201-204.	1.0	0
17	Interoperable Process Design in Production Systems. Lecture Notes in Computer Science, 2018, , 26-35.	1.0	3
18	Enterprise modelling for interoperable and knowledge-based enterprises. International Journal of Production Research, 2018, 56, 2818-2840.	4.9	24

#	ARTICLE	IF	CITATIONS
19	An Agent- and Role-based Planning Approach for Flexible Automation of Advanced Production Systems. , 2018, , .		17
20	Conceptualizing Embodied Automation to Increase Transfer of Tacit knowledge in the Learning Factory. , 2018, , .		6
21	Models for Interoperable Human Robot Collaboration. IFAC-PapersOnLine, 2018, 51, 36-41.	0.5	9
22	Chatting Roles: A Pragmatic Service Resolution Infrastructure for Service Choreography based on Publish/Subscribe. IFAC-PapersOnLine, 2018, 51, 1379-1384.	0.5	6
23	Data Analytics for Industrial Process Improvement A Vision Paper. , 2018, , .		12
24	Interoperability and Integration in Future Production Systems. , 2018, , .		1
25	Project-based learning for complex adaptive enterprise systems. IFAC-PapersOnLine, 2017, 50, 12991-12996.	0.5	4
26	Enabling Digital Craftsmanship Capacity Building. , 2017, , .		3
27	Enterprise Interoperability as Framework for Project Knowledge Management. Lecture Notes in Computer Science, 2017, , 190-199.	1.0	2
28	Lagrangian Relaxation Realised in the NgMPPS Multi Actor Architecture. Lecture Notes in Computer Science, 2017, , 138-155.	1.0	5
29	Variable Neighbourhood Search Solving Sub-problems of a Lagrangian Flexible Scheduling Problem. , 2017, , .		2
30	Supporting interoperability in complex adaptive enterprise systems: A domain specific language approach. Data and Knowledge Engineering, 2016, 105, 90-106.	2.1	30
31	Guest Editorial: Cooperative Information Systems in the Digital Age. International Journal of Cooperative Information Systems, 2016, 25, 1702001.	0.6	1
32	Challenges and current developments for Sensing, Smart and Sustainable Enterprise Systems. Computers in Industry, 2016, 79, 34-46.	5.7	109
33	A Domain Specific Language for Organisational Interoperability. Lecture Notes in Computer Science, 2015, , 117-126.	1.0	3
34	Supporting the evolution and interoperability of organisational models with e-learning technologies. Annual Reviews in Control, 2015, 39, 118-127.	4.4	15
35	STAKEHOLDER-CENTERED ONTOLOGIES FOR EDUCATIONAL DESIGNS. Ontology of Designing, 2015, 5, 149-178.	0.2	1
36	Requirements for Supporting Enterprise Interoperability in Dynamic Environments. Proceedings of the I-ESA Conference, 2014, , 479-488.	0.4	6

#	ARTICLE	IF	CITATIONS
37	Learning for Sustainable Organisational Interoperability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4280-4285.	0.4	5
38	On the Interoperability Contributions of S-BPM. Lecture Notes in Business Information Processing, 2014, , 3-19.	0.8	4
39	Ontology of Enterprise Interoperability Extended for Complex Adaptive Systems. Lecture Notes in Computer Science, 2014, , 219-228.	1.0	2
40	Traceable Pedagogical Design Rationales for Personalized Learning Technologies. International Journal of People-Oriented Programming, 2014, 3, 25-55.	0.3	4
41	3D Progressive Education Environment for S-BPM. Communications in Computer and Information Science, 2014, , 188-197.	0.4	0
42	Facilitating Knowledge Transfer in IANES - A Transactive Memory Approach. Smart Innovation, Systems and Technologies, 2013, , 39-50.	0.5	6
43	Supporting Interoperability for Chaotic and Complex Adaptive Enterprise Systems. Lecture Notes in Computer Science, 2013, , 86-92.	1.0	6
44	S-BPM Education on the Dalton Plan: An E-Learning Approach. Communications in Computer and Information Science, 2012, , 181-193.	0.4	3
45	Implementing organisational interoperability – The SuddEN approach. Computers in Industry, 2010, 61, 152-160.	5.7	23
46	Learning Interoperability in Emerging Supply Networks. International Federation for Information Processing, 2010, , 90-100.	0.4	0
47	Domain Knowledge Integration. Advanced Information and Knowledge Processing, 2010, , 151-167.	0.2	0
48	Collaborative Learning in Automotive Ecosystems. , 2009, , .		3
49	Dynamic business network process management in instant virtual enterprises. Computers in Industry, 2009, 60, 86-103.	5.7	116
50	Internet-based support for process-oriented instant virtual enterprises. IEEE Internet Computing, 2009, 13, 65-73.	3.2	50
51	Software Agents. Kultur- Und Medientheorie, 2008, , 61-70.	0.0	0
52	A Multiagent Web Service Composition Engine, Revisited. , 2007, , .		8
53	Flexible and responsive cross-organisational interoperability. , 2007, , 145-156.		0
54	Designing a Modular Infrastructure for Exploratory Integration of Interoperability Approaches. , 2007, , 427-437.		1

#	ARTICLE	IF	CITATIONS
55	Modelling of Complex Supply Networks. , 2006, , .		3
56	Roadmapping as a Strategic Manufacturing Tool. , 2006, , 644-649.		1
57	Interoperability Contributions of CrossWork. , 2006, , 449-450.		6
58	ORGANISATIONAL NETWORK MODELS AND THE IMPLICATIONS FOR DECISION SUPPORT SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 19-24.	0.4	4
59	Agents for Decentralised Process Design â€œ Extended Abstract. Lecture Notes in Computer Science, 2004, , 23-25.	1.0	2
60	Agent-based optimisation of logistics and production planning. Engineering Applications of Artificial Intelligence, 2003, 16, 335-348.	4.3	102
61	Service-Oriented Concept of a Holonic Enterprise â€” Enabling Adaptive Networks along the Value Chain. , 2002, , 289-296.		7
62	The MaBE project: an agent-based environment for business networks. , 0, , .		2
63	A role-based infrastructure for customised agent system development in supply networks. , 0, , .		2
64	Intertwining E-Learning Technologies and Pedagogies at the System Design Stage. Advances in Computer and Electrical Engineering Book Series, 0, , 369-406.	0.2	0