

Luis Almeida

List of Publications by Year in descending order

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221
papers

2,556
citations

377584

21
h-index

406436

35
g-index

225
all docs

225
docs citations

225
times ranked

1486
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Relay Network for Aerial Remote Inspections. <i>Sensors</i> , 2022, 22, 1391.	2.1	1
2	DiSortNet: A Network Protocol With Distributed Sorting for Modular Multilevel Converters. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2022, 3, 223-235.	4.8	1
3	Extending MQTT with Real-Time Communication Services Based on SDN. <i>Sensors</i> , 2022, 22, 3162.	2.1	7
4	Synchronous Intersection Management to reduce Time Loss. <i>Transportation Research Procedia</i> , 2021, 52, 364-372.	0.8	3
5	Towards a Distributed Learning Architecture for Securing ISP Home Customers. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 311-322.	0.5	0
6	A First Sensitivity Study of Multi-object Multi-camera Tracking Performance. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 269-280.	0.5	0
7	Improved MDS-based Localization with Non-line-of-sight RF Links. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 98, 227-237.	2.0	7
8	Reconfiguring TDMA Communications for Dynamic Formation of Vehicle Platoons. , 2020, , .		1
9	Correction to "Comparing Admission Control Architectures for Real-Time Ethernet". <i>IEEE Access</i> , 2020, 8, 136260-136260.	2.6	0
10	Learning-Based Analysis of a New Wearable 3D Force System Data to Classify the Underlying Surface of a Walking Robot. <i>International Journal of Humanoid Robotics</i> , 2020, 17, 2050011.	0.6	4
11	Comparing Admission Control Architectures for Real-Time Ethernet. <i>IEEE Access</i> , 2020, 8, 105521-105534.	2.6	7
12	Comparing the Ecological Footprint of Intersection Management Protocols for Human/Autonomous Scenarios. , 2020, , .		3
13	Integrated Robotic and Network Simulation Method. <i>Sensors</i> , 2019, 19, 4585.	2.1	2
14	Open IoT Architecture for Continuous Patient Monitoring in Emergency Wards. <i>Electronics (Switzerland)</i> , 2019, 8, 1074.	1.8	17
15	Work-in-Progress: Synchronous Intersection Management Protocol for Mixed Traffic Flows. , 2019, , .		7
16	Hardware Support to Minimize the End-to-End Delay in Ethernet-Based Ring Networks. <i>Electronics (Switzerland)</i> , 2019, 8, 1097.	1.8	2
17	A Real-Time Software Defined Networking Framework for Next-Generation Industrial Networks. <i>IEEE Access</i> , 2019, 7, 164468-164479.	2.6	15
18	Empirical Performance Models of MAC Protocols for Cooperative Platooning Applications. <i>Electronics (Switzerland)</i> , 2019, 8, 1334.	1.8	8

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19	A Glimpse at Bicycle-to-Bicycle Link Performance in the 2.4GHz ISM Band. , 2018, , .		2
20	Impact of Platoon Size on the Performance of TDMA-Based MAC Protocols. , 2018, , .		2
21	A Robust Approach to TDMA Synchronization in Aerial Networks. Sensors, 2018, 18, 4497.	2.1	5
22	Game-theoretic network bandwidth distribution for self-adaptive cameras. ACM SIGBED Review, 2018, 15, 31-36.	1.8	2
23	Hardware/Software Implementation Factors Influencing Ethernet Latency. , 2018, , .		4
24	Mitigating effects of NLOS propagation in MDS-based localization with anchors. , 2018, , .		5
25	Error Recovery in the Time-Triggered Paradigm with FTT-CAN. Sensors, 2018, 18, 188.	2.1	3
26	Communication aspects in the distributed control architecture of a modular multilevel converter. , 2018, , .		10
27	A Clockless Synchronisation Framework for Cooperating Mobile Robots. , 2018, , .		5
28	A Flexible TDMA Overlay Protocol for Vehicles Platooning. Lecture Notes in Computer Science, 2018, , 169-180.	1.0	2
29	A Proposal for an Improved Distributed MAC Protocol for Vehicular Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 24-33.	0.2	3
30	Characterizing Multihop Aerial Networks of COTS Multirotors. IEEE Transactions on Industrial Informatics, 2017, 13, 898-906.	7.2	15
31	Using RA-TDMA to support concurrent collaborative applications in VANETs. , 2017, , .		4
32	Video streaming in multi-hop aerial networks. , 2017, , .		8
33	Designing end-to-end resource reservations in predictable distributed embedded systems. Real-Time Systems, 2017, 53, 916-956.	1.1	10
34	Event-Driven Bandwidth Allocation with Formal Guarantees for Camera Networks. , 2017, , .		6
35	Extending OpenFlow with flexible time-triggered real-time communication services. , 2017, , .		13
36	Analyzing the efficiency of sporadic reservations on ethernet with FTT-SE. , 2017, , .		0

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37	Ultra short cycle protocol for partly decentralized control applications. , 2017, , .		6
38	Aerial Video Stream over Multi-hop Using Adaptive TDMA Slots. , 2017, , .		6
39	MDS-based localization with known anchor locations and missing tag-to-tag distances. , 2017, , .		5
40	On the efficiency of sporadic servers on ethernet with FTT-SE. ACM SIGBED Review, 2017, 14, 32-34.	1.8	0
41	Routing in Mobile Cyber-Physical Systems. , 2017, , 1-27.		0
42	Composable routing in mobile mesh networks. ACM SIGBED Review, 2017, 14, 43-44.	1.8	0
43	Dependable Automotive CAN Networks. , 2017, , 6-1-6-51.		4
44	Soft real-time traffic communication in loaded Wireless Mesh Networks. , 2016, , .		1
45	Dynamic reconfiguration in HaRTES switched ethernet networks. , 2016, , .		2
46	A first qualitative comparison of the admission control in FTT-SE, HaRTES and AVB. , 2016, , .		3
47	Combining Spatial and temporal dynamic scheduling techniques on wireless vehicular communications. , 2016, , .		0
48	Aerial multi-hop network characterisation using COTS multi-rotors. , 2016, , .		4
49	DoTHa - a Double-Threshold Hand-off algorithm for managing mobility in wireless mesh networks. , 2016, , .		2
50	Improving Robustness of Robotic Networks using Consensus and Wireless Signal Strength**This work was partially supported by CNPq (Brazil) through grant 207650/2015-2 and by FCT (Portugal) through grant SFRH/BD/51630/2011.. IFAC-PapersOnLine, 2016, 49, 337-342.	0.5	1
51	Towards an analysis for hierarchies of sporadic servers on Ethernet. , 2016, , .		2
52	A first performance analysis of the Admission Control in the HaRTES Ethernet switch. , 2016, , .		1
53	Method for Design and Performance Evaluation of Ad Hoc Networked Mobile Robotic Systems using OMNET++. IFAC-PapersOnLine, 2016, 49, 144-149.	0.5	6
54	End-to-End Resource Reservations in Distributed Embedded Systems. , 2016, , .		4

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55	Autonomous Robot Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 83, 337-338.	2.0	1
56	Improved Message Forwarding for Multi-Hop HaRTES Real-Time Ethernet Networks. Journal of Signal Processing Systems, 2016, 84, 47-67.	1.4	13
57	MTU configuration for real-time switched Ethernet networks. Journal of Systems Architecture, 2016, 70, 15-25.	2.5	2
58	Network Interference on Cooperative Mobile Robots Consensus. Advances in Intelligent Systems and Computing, 2016, , 651-663.	0.5	2
59	A Traffic Adaptive Multi-Channel MAC Protocol with Dynamic Slot Allocation for WSNs. IEEE Transactions on Mobile Computing, 2016, 15, 1600-1613.	3.9	56
60	Structuring Communications for Mobile Cyber-Physical Systems. Internet of Things, 2016, , 51-76.	1.3	4
61	DESIGNING A FLEXIBLE AND INEXPENSIVE LABORATORY FOR TEACHING INDUSTRIAL COMMUNICATION SYSTEMS. EDULEARN Proceedings, 2016, , .	0.0	0
62	Towards adaptive resource reservations for component-based distributed real-time systems. ACM SIGBED Review, 2015, 12, 24-27.	1.8	3
63	Adaptive multi-resource end-to-end reservations for component-based distributed real-time systems. , 2015, , .		4
64	Impact of Alien Networks on Consensus in a Team of Cooperative Mobile Robots. , 2015, , .		2
65	Merging network coding with feedback management in multicast streaming. ACM SIGBED Review, 2015, 12, 49-52.	1.8	2
66	Managing high loads in WiFi with automatic synchronization and bandwidth control. , 2015, , .		0
67	Quantitative characterization of the reliability of simplex buses and stars to compare their benefits in fieldbuses. Reliability Engineering and System Safety, 2015, 138, 163-175.	5.1	5
68	Designing network servers within a hierarchical scheduling framework. , 2015, , .		2
69	Feedback management for scaling clients in streaming multicast. , 2015, , .		2
70	Multi-hop routing within TDMA slots for teams of cooperating robots. , 2015, , .		8
71	Scheduling feedback for scalability and reliability in a streaming multicast protocol. , 2015, , .		0
72	Formation control driven by cooperative object tracking. Robotics and Autonomous Systems, 2015, 63, 68-79.	3.0	28

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73	RF-based Relative Position Estimation in Mobile Ad-Hoc Networks with Confidence Regions. Lecture Notes in Computer Science, 2015, , 383-394.	1.0	1
74	A criticality-aware mapping of real-time virtual machines to multi-core processors. , 2014, , .		3
75	Efficient transient error recovery in FlexRay using the dynamic segment. , 2014, , .		8
76	D-RES: Correct transitive distributed service sharing. , 2014, , .		7
77	Towards certifiable adaptive reservations for hypervisor-based virtualization. , 2014, , .		13
78	Reduced buffering solution for multi-hop HaRTES switched Ethernet networks. , 2014, , .		10
79	RSSI-based relative localisation for mobile robots. Ad Hoc Networks, 2014, 13, 321-335.	3.4	36
80	A flexible time-triggered service for real-time CORBA. Computer Standards and Interfaces, 2014, 36, 531-544.	3.8	3
81	Response time analysis of multi-hop HaRTES Ethernet Switch networks. , 2014, , .		10
82	All-Optical image processing based on integrated optics. , 2014, , .		3
83	Dynamic reconfiguration in multi-hop switched ethernet networks. ACM SIGBED Review, 2014, 11, 62-65.	1.8	4
84	Comparing scheduling policies for a message transient error recovery server in a time-triggered setting. , 2014, , .		2
85	Evaluation of dynamic reconfiguration architecture in multi-hop switched ethernet networks. , 2014, , .		2
86	Generation of Trajectories Using Predictive Control for Tracking Consensus with Sensing and Connectivity Constraint. Studies in Computational Intelligence, 2014, , 19-37.	0.7	3
87	Comparing Adaptive TDMA against a Clock Synchronization Approach. Lecture Notes in Computer Science, 2014, , 71-79.	1.0	2
88	Guest Editorial: From Uniprocessors to Multiprocessors: Advances in Real-Time Systems. Real-Time Systems, 2013, 49, 401-403.	1.1	0
89	Error recovery in time-triggered communication systems using servers. , 2013, , .		6
90	Towards a Flexible Time-Triggered replicated star for ethernet. , 2013, , .		15

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91	A proposal for RoboCupJunior in Africa: Promoting educational experience with robotics. , 2013, , .		3
92	iQueue-MAC: A traffic adaptive duty-cycled MAC protocol with dynamic slot allocation. , 2013, , .		33
93	Fusing Time-of-Flight and Received Signal Strength for adaptive radio-frequency ranging. , 2013, , .		6
94	Fair bandwidth sharing among virtual machines in a multi-criticality scope. ACM SIGBED Review, 2013, 10, 21-24.	1.8	1
95	FTT-MA: A Flexible Time-Triggered Middleware Architecture for Time Sensitive, Resource-Aware Aml Systems. Sensors, 2013, 13, 6229-6253.	2.1	7
96	Optimized Thermal-Aware Workload Distribution Considering Allocation Constraints in Data Centers. , 2013, , .		10
97	Performance analysis of master-slave multi-hop switched ethernet networks. , 2013, , .		13
98	Schedulability analysis of server-based error-recovery mechanisms for time-triggered systems. , 2013, , .		0
99	Response time analysis for static priority based SpaceWire networks. , 2012, , .		0
100	Generation of Trajectories Using Predictive Control for Tracking Consensus with Sensing. Procedia Computer Science, 2012, 10, 1094-1099.	1.2	9
101	Demonstrating an Enhanced Ethernet Switch Supporting Video Sensing with Dynamic QoS. , 2012, , .		2
102	Controlling multi-switch networks for prompt reconfiguration. , 2012, , .		10
103	A compact approach to clustered master-slave Ethernet networks. , 2012, , .		4
104	Using FTT and stars to simplify node replication in CAN-based systems. , 2012, , .		3
105	The design of the CANbids architecture. , 2012, , .		16
106	Schedulability analysis of multi-packet messages in segmented CAN. , 2012, , .		9
107	Demonstrating Real-Time Reconfiguration of Video Sensing Service-Oriented Applications. , 2012, , .		1
108	Thermal-Aware Optimization of Workload Distribution in Data Centers. , 2012, , .		1

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109	Implementing hierarchical scheduling on COTS Ethernet switches using a master/slave approach. , 2012, , .		9
110	Worst-case delay analysis of master-slave switched ethernet networks. , 2012, , .		4
111	Tolerating transient communication faults with online traffic scheduling. , 2012, , .		11
112	An empirical study of permutational genetic crossover and mutation operators on the fixed priority assignment in distributed real-time systems. , 2012, , .		0
113	A Loose Synchronisation Protocol for Managing RF Ranging in Mobile Ad-Hoc Networks. Lecture Notes in Computer Science, 2012, , 574-585.	1.0	14
114	A Time-Triggered Middleware Architecture for Ubiquitous Cyber Physical System Applications. Lecture Notes in Computer Science, 2012, , 73-80.	1.0	7
115	Towards an Infrastructure Model for Composing and Reconfiguring Cyber-Physical Systems. Lecture Notes in Computer Science, 2012, , 282-289.	1.0	5
116	A Model for System Resources in Flexible Time-Triggered Middleware Architectures. Lecture Notes in Computer Science, 2012, , 215-226.	1.0	2
117	Analysis and experiments for dual-rate beacon scheduling in ZigBee/IEEE 802.15.4. , 2011, , .		4
118	Exploring alternatives to scale FTT-SE to large networks. , 2011, , .		4
119	The ARPA-MT Embedded SMT Processor and Its RTOS Hardware Accelerator. IEEE Transactions on Industrial Electronics, 2011, 58, 890-904.	5.2	38
120	Quantitative Comparison of the Error-Containment Capabilities of a Bus and a Star Topology in CAN Networks. IEEE Transactions on Industrial Electronics, 2011, 58, 802-813.	5.2	40
121	Online QoS Management for Multimedia Real-Time Transmission in Industrial Networks. IEEE Transactions on Industrial Electronics, 2011, 58, 1061-1071.	5.2	58
122	Multi-level hierarchical scheduling in ethernet switches. , 2011, , .		30
123	Permutational Genetic Algorithm for the Optimized Assignment of Priorities to Tasks and Messages in Distributed Real-Time Systems. , 2011, , .		17
124	Efficient Elastic Resource Management for Dynamic Embedded Systems. , 2011, , .		3
125	Hierarchical server-based traffic scheduling in ethernet switches. ACM SIGBED Review, 2011, 8, 68-69.	1.8	1
126	Engineering and analyzing multi-switch networks with single point of control. , 2011, , .		3

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127	Utilization-based schedulability analysis for switched Ethernet aiming dynamic QoS management. , 2010, , .		17
128	On hierarchical server-based communication with switched Ethernet. , 2010, , .		1
129	Reliability improvement achievable in CAN-based systems by means of the ReCANcentrate replicated star topology. , 2010, , .		7
130	Adding Alien Traffic Endurance to Wireless Token-Passing Real-Time Protocols. , 2010, , .		1
131	A middleware to support dynamic reconfiguration of real-time networks. , 2010, , .		5
132	Supporting a reconfigurable real-time service-oriented middleware with FTT-CORBA. , 2010, , .		7
133	Flexible, efficient and robust real-time communication with server-based Ethernet Switching. , 2010, , .		16
134	A Synchronous Scheduling Service for Distributed Real-Time Java. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 506-519.	4.0	21
135	First prototype and experimental assessment of media management in ReCANcentrate. , 2010, , .		2
136	A Dynamic Dual-Rate Beacon Scheduling Method of ZigBee/IEEE 802.15.4 for Target Tracking. , 2010, , .		2
137	Communicating among Robots in the RoboCup Middle-Size League. Lecture Notes in Computer Science, 2010, , 320-331.	1.0	9
138	On the Schedulability Analysis for Dynamic QoS Management in Distributed Embedded Systems. Lecture Notes in Computer Science, 2010, , 119-130.	1.0	0
139	Demonstrating the feasibility of media management in ReCANcentrate. , 2009, , .		1
140	Experiments on timing aspects of DC-Powerline communications. , 2009, , .		2
141	First quantitative results of the dependability improvement achieved by ReCANcentrate. , 2009, , .		1
142	Dynamic target tracking with integration of communication and coverage using mobile sensors. , 2009, , .		5
143	A synthesizable ethernet switch with enhanced real-time features. , 2009, , .		15
144	Boosting the Robustness of Controller Area Networks: CANcentrate and ReCANcentrate. Computer, 2009, 42, 66-73.	1.2	13

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145	Powerline communication in electric vehicles. , 2009, , .		26
146	QoS-Aware Real-Time Composition Algorithms for Service-Based Applications. IEEE Transactions on Industrial Informatics, 2009, 5, 278-288.	7.2	62
147	Using Low-Power Radios for Mobile Robots Navigation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 198-205.	0.4	0
148	Connectivity-aware motion control among autonomous mobile units. , 2008, , .		3
149	Solutions for Supporting Composition of Service-Based Real-Time Applications. , 2008, , .		8
150	Performing Flexible Control on Low-Cost Microcontrollers Using a Minimal Real-Time Kernel. IEEE Transactions on Industrial Informatics, 2008, 4, 125-133.	7.2	23
151	Towards the powerline alternative in automotive applications. , 2008, , .		13
152	Designing a customized Ethernet switch for safe hard real-time communication. , 2008, , .		11
153	Maintaining data consistency in ReCANcentrate during hub decouplings. , 2008, , .		0
154	The OReK real-time micro kernel for FPGA-based systems-on-chip. , 2008, , .		3
155	Designing and verifying media management in ReCANcentrate. , 2008, , .		4
156	Using a CORBA synchronous scheduling service in Pick&Place operations. , 2008, , .		1
157	Self-configuration of an adaptive TDMA wireless communication protocol for teams of mobile robots. , 2008, , .		42
158	Dependable Automotive CAN Networks. Industrial Information Technology Series, 2008, , 130-181.	0.2	5
159	Obtaining the Inverse Distance Map from a Non-SVP Hyperbolic Catadioptric Robotic Vision System. Lecture Notes in Computer Science, 2008, , 417-424.	1.0	12
160	A dynamic scheduling approach to designing flexible safety-critical systems. , 2007, , .		14
161	Hierarchical distributed architectures for autonomous mobile robots: A case study. , 2007, , .		9
162	Integration of a flexible time triggered network in the FRESCOR resource contracting framework. , 2007, , .		3

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163	Dynamic QoS management for multimedia real-time transmission in industrial environments. , 2007, , .		4
164	USING PRIORITY INHERITANCE TECHNIQUES TO OVERRIDE THE SIZE LIMIT OF CAN MESSAGES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 127-134.	0.4	4
165	Towards a Synchronous Scheduling Service on Top of a Unicast Distributed Real-Time Java. Real Time and Embedded Technology and Applications Symposium (RTAS), IEEE, 2007, , .	0.0	22
166	A Novel Synchronous Scheduling Service for CORBA-RT Applications. , 2007, , .		9
167	An Architecture to Support Dynamic Service Composition in Distributed Real-Time Systems. , 2007, , .		19
168	Dynamic Rate and Control Adaptation in Networked Control Systems. , 2007, , .		6
169	Opening wedge high tibial osteotomy using 3D biomodelling Bonelike [®] macroporous structures: case report. Journal of Materials Science: Materials in Medicine, 2007, 18, 2377-2382.	1.7	25
170	Relative Positions Within Small Teams of Mobile Units. , 2007, , 657-671.		5
171	A Modular Control Architecture for a Small Electric Vehicle. , 2006, , .		4
172	Enhancing real-time communication over cots ethernet switches. , 2006, , .		61
173	An Active Star Topology for Improving Fault Confinement in CAN Networks. IEEE Transactions on Industrial Informatics, 2006, 2, 78-85.	7.2	57
174	First results of the assessment of the improvement of error containment achieved by CANcentrate. , 2006, , .		3
175	Enhancing the virtual token passing to support isochronous traffic. , 2006, , .		0
176	Experimental Assessment of ReCANcentrate, a Replicated Star Topology for CAN. , 2006, , .		4
177	Adding Synchronous Scheduling to CORBA-RT. , 2006, , .		4
178	Combining Operational Flexibility and Dependability in FTT-CAN. IEEE Transactions on Industrial Informatics, 2006, 2, 95-102.	7.2	36
179	Enhancing the Reactivity of the Vision Subsystem in Autonomous Mobile Robots Using Real-Time Techniques. Lecture Notes in Computer Science, 2006, , 371-383.	1.0	5
180	The Quest for Real-Time Behavior in Ethernet. Industrial Information Technology Series, 2006, , 17-1-17-15.	0.2	3

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181	Traffic Scheduling Anomalies in Temporal Partitions. , 2006, , 95-104.		2
182	Dynamic Resource Reservation and Connectivity Tracking to Support Real-Time Communication among Mobile Units. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	1.5	16
183	An FPGA-based coprocessor for real-time fieldbus traffic scheduling architecture and implementation. Journal of Systems Architecture, 2005, 51, 29-44.	2.5	2
184	FTT-Ethernet: A Flexible Real-Time Communication Protocol That Supports Dynamic QoS Management on Ethernet-Based Systems. IEEE Transactions on Industrial Informatics, 2005, 1, 162-172.	7.2	121
185	Guidelines for a graduate curriculum on embedded software and systems. Transactions on Embedded Computing Systems, 2005, 4, 587-611.	2.1	53
186	Scheduling within temporal partitions. , 2004, , .		124
187	Minimizing the End-to-End Latency in Multi-Segment Time-Triggered Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 121-127.	0.4	1
188	Coordinating Distributed Autonomous Agents with a Real-Time Database: The CAMBADA Project. Lecture Notes in Computer Science, 2004, , 876-886.	1.0	31
189	The Quest for Real-Time Behavior in Ethernet1. Industrial Electronics Series, 2004, , 709-722.	0.0	0
190	Using distributed systems in real-time control of autonomous vehicles. Robotica, 2003, 21, 271-281.	1.3	13
191	A sound localizer for reverberant environments. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 53-57.	0.4	0
192	Components to Enforce Fail-Silent Behavior in Dynamic Master-Slave Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 143-150.	0.4	8
193	EDF message scheduling on controller area network. Computing & Control Engineering Journal, 2002, 13, 163-170.	0.0	41
194	Schedulability analysis of real-time traffic in WorldFIP networks: an integrated approach. IEEE Transactions on Industrial Electronics, 2002, 49, 1165-1174.	5.2	38
195	The FTT-CAN protocol: why and how. IEEE Transactions on Industrial Electronics, 2002, 49, 1189-1201.	5.2	232
196	The FTT-CAN protocol for flexibility in safety-critical systems. IEEE Micro, 2002, 22, 46-55.	1.8	35
197	Analysis of a simple model for non-preemptive blocking-free scheduling. , 2001, , .		15
198	FTT-CAN: A Network-Centric Approach for CAN-Based Distributed Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 233-238.	0.4	4

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199	Using a planning scheduler to improve the flexibility of real-time fieldbus networks. Control Engineering Practice, 1999, 7, 101-108.	3.2	31
200	A Flexible Time-Triggered Communication System Based on the Controller Area Network: Experimental Results. , 1999, , 342-350.		20
201	A Proposal to Improve Flexibility in Real-Time Fieldbus Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 119-124.	0.4	5
202	Schedulability Analysis in a Real-Time Fieldbus Network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 413-417.	0.4	5
203	Issues on task dispatching and master replication in FTT-CAN. , 0, , .		6
204	Using the planning scheduler in real-time fieldbuses: theoretical model for run-time overhead. , 0, , .		2
205	Comparing control strategies for autonomous line-tracking robots. , 0, , .		8
206	Combining event-triggered and time-triggered traffic in FTT-CAN: analysis of the asynchronous messaging system. , 0, , .		20
207	Flexibility, timeliness and efficiency in fieldbus systems: the DISCO project. , 0, , .		1
208	Achieving fault tolerance in FTT-CAN. , 0, , .		20
209	3D interactive, on-site visualization of ancient Olympia. , 0, , .		6
210	FTT-Ethernet: a platform to implement the Elastic Task Model over message streams. , 0, , .		4
211	The FTT-ethernet protocol: merging flexibility, timeliness and efficiency. , 0, , .		90
212	A word for operational flexibility in distributed safety-critical systems. , 0, , .		5
213	CANcentrate: an active star topology for CAN networks. , 0, , .		14
214	Message routing in multi-segment FTT networks: the isochronous approach. , 0, , .		6
215	Real-Time Resource Reservation Protocol for Wireless Mobile Ad Hoc Networks. , 0, , .		27
216	Admission control and overload handling in FTT-CAN. , 0, , .		0

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217	Design and modeling of a protocol to enforce consistency among replicated masters in FTT-CAN. , 0, , .		6
218	A Flexible Visual Simulator for Wireless Ad-Hoc Networks of Mobile Nodes. , 0, , .		1
219	ReCANcentrate: A replicated star topology for CAN networks. , 0, , .		15
220	Implementing a distributed sensing and actuation system: The CMBADA robots case study. , 0, , .		17
221	Assessment of FTT-CAN Master Replication Mechanisms for Safety-Critical Applications. , 0, , .		4