

Packet Switching in Radio Channels: Part III--Polling and Reservation Multiple Access

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Poll-before-data multiple access. , 0, , .		7
2	Global Scheduling Approach to Conflict-Free Multiaccess via a Data Bus. IRE Transactions on Communications Systems, 1978, 26, 1342-1352.	0.6	20
3	The Effect of Acknowledgment Traffic on the Capacity of Packet-Switched Radio Channels. IRE Transactions on Communications Systems, 1978, 26, 815-826.	0.6	57
4	Control channel traffic design in a high-capacity land mobile telephone system. IEEE Transactions on Vehicular Technology, 1978, 27, 224-231.	6.3	15
5	Near optimal behaviour of the packet switching broadcast channel. , 0, , .		1
6	Aids to the development of network simulators. , 1979, , .		1
7	Access-control disciplines for multi-access communication channels: Reservation and TDMA schemes. IEEE Transactions on Information Theory, 1979, 25, 516-536.	2.4	96
8	On a Mixed Mode Multiple Access Scheme for Packet-Switched Radio Channels. IRE Transactions on Communications Systems, 1979, 27, 906-911.	0.6	12
9	BRAM: The Broadcast Recognizing Access Method. IRE Transactions on Communications Systems, 1979, 27, 1183-1190.	0.6	115
10	Demand Assigned Multiple Access Systems Using Collision Type Request Channels: Traffic Capacity Comparisons. IRE Transactions on Communications Systems, 1979, 27, 1325-1331.	0.6	33
11	A Coding Scheme for Conflict-Free Multiaccess Using Global Scheduling. IRE Transactions on Communications Systems, 1979, 27, 1353-1360.	0.6	0
12	Analysis of a Two-Hop Centralized Packet Radio Network--Part I: Slotted ALOHA. IRE Transactions on Communications Systems, 1980, 28, 196-207.	0.6	81
13	Performance of Slotted ALOHA Random Access with Delay Capture and Randomized Time of Arrival. IRE Transactions on Communications Systems, 1980, 28, 703-710.	0.6	132
14	Multiaccess Protocols in Packet Communication Systems. IRE Transactions on Communications Systems, 1980, 28, 468-488.	0.6	303
15	Packet Switching in Radio Channels: New Conflict-Free Multiple Access Schemes. IRE Transactions on Communications Systems, 1980, 28, 1015-1029.	0.6	91
16	High Capacity: Low Delay Packet Broadcast Multiaccess. IEEE Transactions on Aerospace and Electronic Systems, 1980, AES-16, 830-838.	4.7	11
17	A generalized simulator for computer networks. Simulation, 1982, 39, 123-132.	1.8	4
18	Performance analysis of a shortest-delay protocol. Computer Networks (1976), 1982, 6, 189-200.	0.3	3

#	ARTICLE	IF	CITATIONS
19	A Distributed Channel-Access Protocol for Fully-Connected Networks with Mobile Nodes. IEEE Transactions on Computers, 1983, C-32, 133-147.	3.4	10
20	An efficient collision-free protocol for prioritized access-control of cable or radio channels. Computer Networks (1976), 1983, 7, 83-98.	0.3	18
21	A Space-Division Multiple-Access Protocol for Spot-Beam Antenna and Satellite-Switched Communication Network. IEEE Journal on Selected Areas in Communications, 1983, 1, 126-132.	14.0	4
22	Combined Random/Reservation Access for Packet Switched Transmission Over a Satellite with On-Board Processing: Part I - Global Beam Satellite. IEEE Transactions on Communications, 1983, 31, 1161-1171.	7.8	48
23	Analysis and Stability Considerations in a Reservation Multiaccess System. IRE Transactions on Communications Systems, 1983, 31, 684-692.	0.6	32
24	Very High Speed Fiber Optic Data Distribution Network. , 1983, , .		2
25	An extensive bibliography on computer networks. Computer Communication Review, 1984, 13-14, 78-98.	1.8	2
26	Adaptive mobile access protocol (AMAP) for the message service of a land mobile satellite experiment (MSAT-X). IEEE Transactions on Vehicular Technology, 1984, 33, 237-243.	6.3	0
27	Distributive Demand-Assigned Packet Switching with Trailer Transmissions. IEEE Transactions on Aerospace and Electronic Systems, 1984, AES-20, 775-788.	4.7	4
28	Adaptive Mobile Access Protocol (AMAP) for the Message Service of a Land Mobile Satellite Experiment (MSAT-X). IEEE Journal on Selected Areas in Communications, 1984, 2, 621-627.	14.0	9
29	Performance analysis of token ring local area networks. Computer Networks, 1985, 9, 191-200.	1.0	46
30	Capacity Allocation in Multiple Access Networks. IRE Transactions on Communications Systems, 1985, 33, 1224-1226.	0.6	9
31	An access control protocol using instantaneous bandwidth reconfiguration. Computer Networks, 1986, 12, 99-106.	1.0	5
32	A hybrid access method in a multiple access channel. Performance Evaluation, 1986, 6, 93-102.	1.2	1
33	Scheduled bus protocol for mixed voice and data local communications. Computer Communications, 1987, 10, 171-178.	5.1	3
34	An extended token bus protocol for embedded networks. Computers and Electrical Engineering, 1988, 14, 105-123.	4.8	0
35	Further results on the performance evaluation of the split channel reservation multiple access protocol ATP-2 for local area networks. IEEE Transactions on Computers, 1988, 37, 376-383.	3.4	2
36	Estimating metrical change in fully connected mobile networks-a least upper bound on the worst case. IEEE Transactions on Computers, 1988, 37, 1156-1162.	3.4	0

#	ARTICLE	IF	CITATIONS
37	Queuing analysis of polling models. ACM Computing Surveys, 1988, 20, 5-28.	23.0	243
38	Design and analysis of multiple token ring networks. , 0, , .		14
39	Alternative local area network access protocols. , 1988, 26, 25-45.		28
40	Performance study on a new reservation dual-bus token passing protocol. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan, 1989, 12, 353-360.	1.1	0
41	A reliable token-passing bus LAN with reservation. , 1989, , .		1
42	Performance study of SRMA multiple access protocols. International Journal of Systems Science, 1989, 20, 1053-1065.	5.5	0
43	Approximate analysis of single and multiple ring networks. IEEE Transactions on Computers, 1989, 38, 1027-1040.	3.4	80
44	Idle-signal casting multiple access with data slot reservation (ICMA-DR) for packet radio communications. IEEE Transactions on Vehicular Technology, 1989, 38, 50-54.	6.3	3
45	BCMA: Backlog controlled multiple access. , 0, , .		1
46	Application of polling models to computer networks. Computer Networks, 1991, 22, 193-211.	1.0	64
47	A multiple access scheme for radio access loop carrying multiple-service traffic-virtual circuit multiple access (VCMA). Electronics and Communications in Japan, 1991, 74, 99-111.	0.1	0
48	A fuzzy algorithm for priority estimation in Immediate Area Networks. Information Sciences, 1991, 55, 209-237.	6.9	0
49	Throughput analysis of asynchronous CSMA protocols on star-like LAN topologies. , 0, , .		4
50	Design of an Optimum Channel Utilisation Multiaccess Protocol for Packet Radio Networks. IETE Journal of Research, 1992, 38, 334-343.	2.6	3
51	Throughput optimization of reservation protocols for high speed networks. , 0, , .		1
52	Analysis of a wireless MAC protocol with client-server traffic. , 0, , .		10
53	Analysis of a wireless MAC protocol with client-server traffic and capture. IEEE Journal on Selected Areas in Communications, 1994, 12, 1299-1313.	14.0	30
54	Floor acquisition multiple access (FAMA) for packet-radio networks. , 1995, , .		288

#	ARTICLE	IF	CITATIONS
55	Spread spectrum slot reservation multiple access. , 0, , .		3
56	A general multi-layer collision resolution multiple access protocol for wireless networks. , 0, , .		1
57	A multi-layer collision resolution multiple access protocol for wireless networks. Wireless Networks, 1998, 4, 353-364.	3.0	0
58	Performance of floor acquisition multiple access in ad-hoc networks. , 0, , .		22
59	Multi-channel channel-access schemes for distributed direct-sequence networks. , 0, , .		2
60	Floor acquisition multiple access (FAMA) in single-channel wireless networks. Mobile Networks and Applications, 1999, 4, 157-174.	3.3	52
61	The effect of exerting adequate persistence in collision avoidance protocols. , 0, , .		4
62	A protocol for topology-dependent transmission scheduling in wireless networks. , 0, , .		88
63	Channel-hopping multiple access. , 0, , .		116
64	An unslotted multichannel channel-access protocol for distributed direct-sequence networks. Mobile Networks and Applications, 2000, 5, 49-56.	3.3	10
65	Collision-avoidance transmission scheduling for ad-hoc networks. , 0, , .		11
66	A channel-hopping protocol for ad-hoc networks. , 0, , .		4
67	Receiver-initiated channel-hopping for ad-hoc networks. , 2000, , .		1
68	A multimedia MAC protocol for distributed DS mobile radio networks. , 0, , .		0
69	Distributed order queuing and dynamic bandwidth allocation for QoS control in CDMA system. , 0, , .		0
70	Title is missing!. Telecommunication Systems, 2001, 17, 63-92.	2.5	1
71	A receiver-initiated collision-avoidance protocol for multi-channel networks. , 0, , .		117
72	Reservation Protocols. , 2002, , 147-164.		0

#	ARTICLE	IF	CITATIONS
73	Dual busy tone multiple access (DBTMA)-a multiple access control scheme for ad hoc networks. IEEE Transactions on Communications, 2002, 50, 975-985.	7.8	434
74	Receiver-Initiated Collision Avoidance in Wireless Networks. Wireless Networks, 2002, 8, 249-263.	3.0	45
75	MOAR: a multi-channel opportunistic auto-rate media access protocol for ad hoc networks. , 0, , .		66
76	Distributed range assignment for reliable channel access and reuse in ad-hoc networks.. , 0, , .		0
77	A dual-channel MAC protocol for mobile ad hoc networks. , 0, , .		19
78	WLAN and ad-hoc network coexistence. , 0, , .		1
79	Peripheral-state Sense Multiple Access/Interference Control (PSMA/IC) for Distributed Radio Resource Management. , 0, , .		0
80	Analyzing split channel medium access control schemes. IEEE Transactions on Wireless Communications, 2006, 5, 967-971.	9.2	19
81	Split-channel pipelined packet scheduling for wireless networks. IEEE Transactions on Mobile Computing, 2006, 5, 240-257.	5.8	15
82	Analyzing multi-channel medium access control schemes with ALOHA reservation. IEEE Transactions on Wireless Communications, 2006, 5, 2143-2152.	9.2	49
83	Towards Performance Modeling of IEEE 802.11 Based Wireless Networks: A Unified Framework and Its Applications. , 2006, , .		104
84	Code Division Multiple Access(CDMA). Synthesis Lectures on Communications, 2006, 1, 1-192.	0.5	24
85	Medium access control in mobile ad hoc networks: challenges and solutions. Wireless Communications and Mobile Computing, 2006, 6, 151-170.	1.2	55
86	Access control in ad hoc networks with selfish nodes. Wireless Communications and Mobile Computing, 2006, 6, 761-772.	1.2	4
87	An efficient MAC protocol for multi-channel mobile ad hoc networks based on location information. International Journal of Communication Systems, 2006, 19, 877-896.	2.5	9
88	CR Switch: A Load-Balanced Switch with Contention and Reservation. , 2007, , .		12
89	Towards Scalable MAC Design for High-Speed Wireless LANs. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	15
90	Opportunistic Spectral Usage: Bounds and a Multi-Band CSMA/CA Protocol. IEEE/ACM Transactions on Networking, 2007, 15, 533-545.	3.8	135

#	ARTICLE	IF	CITATIONS
91	An M-time inheriting transmission strategy for interactive multimedia applications in wireless networks. Computer Communications, 2007, 30, 1187-1198.	5.1	2
92	A detailed study of a CDMA based approach to enhance ad hoc network performance. Ad Hoc Networks, 2007, 5, 1149-1172.	5.5	4
93	A novel MAC protocol and layer two transmission scheduling algorithm for WLANs. Telecommunication Systems, 2008, 37, 3-18.	2.5	1
94	Improving Quality-of-Service in Wireless Sensor Networks by Mitigating "Hidden-Node Collisions". IEEE Transactions on Industrial Informatics, 2009, 5, 299-313.	11.3	80
95	CR Switch: A Load-Balanced Switch With Contention and Reservation. IEEE/ACM Transactions on Networking, 2009, 17, 1659-1671.	3.8	26
96	Communication Timing Control and Topology Reconfiguration of a Sink-Free Meshed Sensor Network With Mobile Robots. IEEE/ASME Transactions on Mechatronics, 2009, 14, 187-197.	5.8	23
98	Performance analysis of unslotted CSMA/CA in wireless networks. Telecommunication Systems, 2010, 44, 109-123.	2.5	41
99	MIMO-Based Collision Avoidance in IEEE 802.11e Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 1076-1086.	6.3	10
100	On the applicability of the number of collisions in p-persistent CSMA/CD protocols. Computers and Operations Research, 2010, 37, 1199-1211.	4.0	9
101	DRMA-AR: Distributed reservation multiple access with adaptive requests for wireless networks. , 2011, , .		1
103	Is diversity gain worth the pain: A delay comparison between opportunistic multi-channel MAC and single-channel MAC. , 2012, , .		4
104	Exploring random access and handshaking techniques in underwater wireless acoustic networks. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	6
105	Modeling and stability analysis of hybrid multiple access in the IEEE 802.15.4 protocol. ACM Transactions on Sensor Networks, 2013, 9, 1-55.	3.6	30
106	Evaluating Opportunistic Multi-Channel MAC: Is Diversity Gain Worth the Pain?. IEEE Journal on Selected Areas in Communications, 2013, 31, 2301-2311.	14.0	6
107	High Quality of Service and Energy Efficient MAC Protocols for Wireless Sensor Networks. Studies in Computational Intelligence, 2014, , 315-348.	0.9	1
108	Performance Evaluation of Synchronous Variable-multiple Collision Avoidance Systems. Journal of Information Processing, 2015, 23, 229-237.	0.4	0
109	Wireless cars: A cyber-physical approach to vehicle dynamics control. Mechatronics, 2015, 30, 261-274.	3.3	2
110	Adaptive layer switching for smart grid applications in power line communications. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
111	Performance evaluation of collision avoidance schemes in ad hoc networks. Security and Communication Networks, 2016, 9, 910-937.	1.5	1
112	Design of Portable Indicator for Underground Mines Using 433 MHz Wireless Communication. , 2018, , .		3
113	Optimizing floor reservation and contention resolution in wireless random access. Ad Hoc Networks, 2019, 82, 31-45.	5.5	1
114	On the need of computing in future communication networks. , 2020, , 3-45.		4
115	CR-LBT: Listen-Before-Talk With Collision Resolution for 5G NR-U Networks. IEEE Transactions on Mobile Computing, 2022, 21, 3138-3149.	5.8	14
116	Performance Analysis of Multi-User Communication Systems: Access Methods and Protocols. , 1981, , 29-47.		3
117	A real-time medium access control protocol for ad hoc wireless local area networks. Mobile Computing and Communications Review, 1999, 3, 20-27.	1.7	49
120	Analyzing Split Channel Medium Access Control Schemes with ALOHA Reservation. Lecture Notes in Computer Science, 2003, , 128-139.	1.3	8
121	Medium Access Control Protocols for Satellite Communications. , 2003, , 35-93.		1
122	Opportunism in Wireless Networks. , 2007, , 223-253.		0
125	A Survey of Medium Access Control Protocols for Wireless Local and Ad Hoc Networks. , 2008, , 39-83.		0
126	Solution of the Hidden Terminal Problem using Random Length Signals for Wireless LANs. Transactions of the Institute of Systems Control and Information Engineers, 2013, 26, 306-313.	0.1	0
127	Multiaccess Link Control. , 1989, , 139-189.		8
128	Multiple-Access Procedures. , 1983, , 415-454.		0
130	An RTS–CTS based medium access control protocol for full-duplex wireless local area networks. Ad Hoc Networks, 2022, 132, 102858.	5.5	2
131	On Flow Control and Optimized Back-Off in Non-Saturated CSMA. IEEE/ACM Transactions on Networking, 2023, 31, 2191-2206.	3.8	0
132	Connection-Based Aloha: Modeling, Optimization, and Effects of Connection Establishment. IEEE Transactions on Wireless Communications, 2024, 23, 1008-1023.	9.2	0
133	ALOHA-NUI: A collision-free version of ALOHA using a Neighborhood-Understood Index. Computer Networks, 2023, 235, 109959.	5.1	0