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EDUCATION

Ph. D. Computer Science, 1986. University of Rochester, Rochester, NY.
M. S. Computer Science, 1983. University of Rochester, Rochester, NY.
B. A. Mathematics, 1981. New College, Sarasota, FL.

HONORS

University Superior Accomplishment Award for Faculty Service, University of Florida, 1995-1996.
Superior Accomplishment Award, Academic Affairs, University of Florida, 1996.
Teaching Improvement Program Award, College of Engineering, University of Florida, 1995.
ACM Teacher of the Year, CISE Department, 1994-1995.
Distinguished Service Key, Alpha Phi Omega National Service Fraternity, 1991.
Faculty of the Year, CIS Department, 1989-1990.
Member, Upsilon Pi Epsilon Computer Science Honorary Fraternity, 1989-present.

INTERESTS

Networks, protocols, parallel and distributed systems: security, information hiding, robustness, concurrent protocols for accessing shared data, error correction methods, error modeling, traffic modeling, simulation, architecture, topology, the assignment problem, distributed operating systems, network control and communication architecture and protocols, distributed conferencing, groupware, planning systems, distance learning.

Theoretical computer science: communication complexity, information theory, formal machine model hierarchies, parallel and concurrent algorithm design and analysis, simulation.

EMPLOYMENT

Assistant Professor, Computer & Information Science & Engineering Department, University of Florida, Gainesville, FL, 1986-present.
Board of Directors, Security and Audit Analysis, EpicTide, Inc., St. Petersburg, FL, 2004-present.
Consultant, Medium access and PHY protocol analysis and development, Intellon Corporation, Ocala, FL, 1999-present.
Consultant, Network security areas, Raytheon Systems Company, St. Petersburg, FL, 1997-present.
Senior Scientist, Unistry Associates, Inc., Havertown, PA, 1995-1999.
Associate Director, Space Communication Technology Center, Digital Signal Handling and Satellite Networking Technical Area, Computer and Information Science Department, University of Florida, Gainesville, FL, 1991-1997

JOURNAL PUBLICATIONS

1. Srinivas Katar, Manjunath Krishnam, Richard Newman, and Haniph Latchman, "Harnessing the potential of Power Line Communications using HomePlug AV Standard," RF Design Magazine, August 2006.

2. Lin, Yu-Ju, Haniph Latchman, Srinivas Katar and Richard Newman, Comparative Performance Study of Wireless and Powerline Networks, *IEEE Communications Magazine* 41:4, pp. 54-63, April, 2003.
<http://www.cise.ufl.edu/nemo/papers/CommMag2003.pdf>
3. Pavlidou, F.-N., Haniph Latchman, A. J. Han Vinck, and Richard Newman, "Powerline Communications and Applications," *International Journal on Communication Systems* 16:5, pp. 357-361, May, 2003.
4. Lee, Minkyu, Richard Newman, Haniph Latchman, Srinivas Katar, and Larry Yonge, "HomePlug 1.0 Powerline Communication LANs - Protocol Description and Performance Results," *International Journal on Communication Systems* 16:5, pp. 447-473, 2003.
<http://www.cise.ufl.edu/nemo/papers/IJCS2003.pdf>
5. Yeh, Jyh-haw, Randy Chow, and Richard Newman, "Key Assignment for Enforcing Access Control Policy Exceptions in Distributed Systems," *Information Sciences Journal* Vol. 152, pp. 63-88, June 2003.
<http://www.cise.ufl.edu/nemo/papers/ISJ2003.pdf>
6. Johnson, Theodore and R. E. Newman-Wolfe, "A Comparison of Fast and Low Overhead Distributed Priority Locks," *Journal of Parallel and Distributed Computing* 32:1, 1996, pp. 74-89.
7. Klostermeyer, W. F., R. E. Newman-Wolfe, K. Luo and Y. C. Chow, "DAG Compression for Improving Response after Deadlock Resolution," *Congressus Numerantium* 81, Dec. 1991, pp. 209-218.
8. Luo, C. K., W. Klostermeyer, R. E. Newman-Wolfe and Y. C. Chow, "Optimal Deadlock Resolutions in Edge-disjoint Reducible Wait-for Graphs," *Information Processing Letters* 38, 28 June 1991, pp. 307-313.
9. Woo, Tai-Kuo, Stanley Y. W. Su and Richard Newman-Wolfe, "Resource Allocation in a Partitionable Bus Network Using a Graph Coloring Algorithm," *IEEE Transactions on Communications* 39:12, Dec. 1991, pp. 1794-1801.
10. Newman-Wolfe, R. E. and S. L. Davis, "Sequences, Schedules, and Initialization of Unsynchronized Networks," *Congressus Numerantium* 76, Dec. 1990, pp. 63-68.
11. Bermudez, M. E., R. E. Newman-Wolfe and G. Logothetis, "Parallel Construction of SLR(1) and LALR(1) Parsers," *International Journal of Parallel Programming* v. 19, no. 3, June 1990, pp. 163-184.
12. Paturi, R., Joel I. Seiferas, J. Simon and R. E. Newman-Wolfe, "Milking the Aanderaa Argument," *Information and Computation*, vol. 88, no. 1, pp. 88-104, Sept. 1990.
13. Newman-Wolfe, R. E., R. Dutton and R. Brigham, "Connecting Sets in Graphs - A Domination Related Concept," *Congressus Numerantium* vol. 67, pp. 67-76, 1988.
14. Newman-Wolfe, R. E., "Bounds for the Towers of Hanoi Problem with Multiple Work Pegs," accepted for publication by *The Computer Journal*.

REFEREED CONFERENCE PUBLICATIONS

1. Piyush Harsh and Richard E. Newman, "Using Geo-Spatial Session Tagging for Smart Multicast Session Discovery," ACM SIGAPP SAC 2009, Honalulu, Mar. 2009.
2. Richard Newman and Ira S. Moskowitz, "Practical Covert Channel Implementation through a Timed Mix-Firewall," IEEE NSP'08, Austin, Dec. 2008.
3. Piyush Harsh and Richard E. Newman, "mDNS - A Proposal for Hierarchical Multicast Session Directory Architecture", proceedings of ICOMP 2008, Las Vegas, 2008. Science.

4. Piyush Harsh and Richard E. Newman, "An Overlay Solution to IP-Multicast Address Collision Prevention," to appear in IASTED International Conference on Internet and Multimedia Systems and Applications (EuroIMSA 2008), March 17-19, 2008, Innsbruck, Austria.
5. Piyush Harsh and Richard E. Newman, "Usability and Acceptance of an Image-based Authentication System," IEEE International Carnahan Conference on Security Technology, October 8-11, 2007, Ottawa, ON.
6. Richard Newman, Ira S. Moskowitz, and Mahendra Kumar, "J2: Refinement of a Topological Image Steganographic Method," IASTED Conference on Network and Information Security (CNIS 2007), September 24-26, 2007, Berkeley, CA, pp 28-32.
7. Seung Chul Han, In Kwan Yu, Ye Xia, and Richard E. Newman, "A Node Selection Algorithm for Many-to-many Mapping in Peer-to-peer Networks," IEEE Second International Conference on Internet and Web Applications and Services (ICIW07), May 13-19, 2007, Mauritius.
8. Richard E. Newman, Larry Yonge, Sherman Gavette, and Ross Anderson, "HomePlug AV Security Mechanisms," to appear in IEEE ISPLC 2007, Pisa, Italy, March 26-28, 2007.
9. Yu-Ju Lin, Richard E. Newman, and Haniph Latchman, "A New TCP and UDP Network Benchmark Suite," to appear in 10th ACM Communications and Networking Simulation Symposium (CNS 07), Norfolk, VA, March 25 - 29, 2007.
10. Srinivas Katar, Brent Mashburn, Richard Newman, and Haniph Latchman, "Allocation Requirements for Supporting Latency-Bound Traffic in HomePlug AV Networks," IEEE GlobeCom, San Francisco, 27 Nov. - 1 Dec. 2006.
11. Mahendra Kumar and Richard Newman, "STRBAC - An Approach towards Spatio-Temporal Role-Based Access Control," IASTED Conference on Network and Information Security (CNIS 2006), Cambridge, MA, October 9-11, 2006.
12. Richard E. Newman, Larry Yonge, Sherman Gavette, and Ross Anderson, "Protecting Domestic Powerline Communications," in proceedings of Symposium on Usable Privacy and Security (SOUPS 2006), Pittsburgh, PA, July 12-14, 2006, pp. 122-132.
13. Srinivas Katar, Brent Mashburn, Kaywan Afkhamie, Haniph Latchman, and Richard Newman, "Channel Adaptation Based on Cyclo-stationary Noise Characteristics in PLC Systems," in proceedings of IEEE International Symposium on Power Line Communications (ISPLC 2006), Orlando, FL, March 26-29, 2006, pp. 16-21.
14. Srinivas Katar, Manjunath Krishnam, Brent Mashburn, Kaywan Afkhamie, Richard Newman, and Haniph Latchman, "Beacon Schedule Persistence to Mitigate Beacon Loss in HomePlug AV Networks," in proceedings of IEEE International Symposium on Power Line Communications (ISPLC 2006), Orlando, FL, March 26-29, 2006, pp. 184-188.
15. Hossein Asghari, Richard Newman, and Haniph Latchman, "Bandwidth-efficient Forward-Error-Correction Coding for High Speed Powerline Communications," in proceedings of IEEE International Symposium on Power Line Communications (ISPLC 2006), Orlando, FL, March 26-29, 2006, pp. 350-355.
16. Ira S. Moskowitz and Richard E. Newman, "Timing Channels, Anonymity, Mixes, and Spikes," in proceedings of IASTED Conference on Advances in Computer Science and Technology (ACST 2006), January 23-25, 2006, Puerto Vallarta, Mexico, pp. 251-256.
17. Ira S. Moskowitz and Richard E. Newman, "Multiple Access Covert Channels," in proceedings of IASTED Conference on Network and Information Security (CNIS 2005), Nov. 14-16, 2005, Phoenix, AZ, pp. 182-188.
18. Richard E. Newman, Piyush Harsh, and Prashant Jayaraman, "Security Analysis of and Proposal for Image Based Authentication," in proceedings of IEEE International Carnahan Conference on Security Technology, Oct. 10-13, 2005, Las Palmas, Canary Islands, Spain, pp. 141-144.

19. Kaywan H. Afkhamie, Haniph Latchman, Larry Yonge, Tim Davidson, and Richard Newman, "Joint Optimization of Transmit Pulse Shaping, Guard Interval Length, and Receiver Side Narrow-band Interference Mitigation in the HomePlugAV OFDM System," (invited paper) in proceedings of IEEE Workshop on Signal Processing Advances in Wireless Communications (SPAWC 2005), New York, NY, June 6-8, 2005.
20. Yu-Ju Lin, Haniph A. Latchman, Jonathan C.L. Liu and Richard Newman, "Periodic Contention-Free Multiple Access For Power Line Communication Networks," IEEE 19th International Conference on Advanced Information Networking and Applications (AINA'05) Volume 2, March 28-30, 2005, Taiwan, pp. 315-318.
21. Srinivas Katar, Richard Newman, Haniph Latchman, and Larry Yonge, "Efficient MAC Framing and ARQ for High-Speed PLC Systems," in proceedings of IEEE International Symposium on Power Line Communications (ISPLC 2005), Vancouver, Canada, April 2005, pp. 27-31.
22. Afkhamie, K. H., S. Katar, L. Yonge, and R. Newman, "An Overview of the upcoming HomePlug AV Standard," proceedings of International Symposium on Powerline Communications (ISPLC 2005), Vancouver, BC, 2005, pp. 400-404.
23. Yu-ju Lin, Haniph Latchman, Jonathan Liu, and Richard Newman, "Periodic Contention-free Multiple Access for Broadband Multimedia Powerline Communication Networks," in proceedings of IEEE International Symposium on Power Line Communications (ISPLC 2005), Vancouver, Canada, April 2005.
24. Haniph A. Latchman, Kaywan H. Afkhamie, Srinivas Katar, Richard Newman, Brent Mashburn, and Larry Yonge, "High Speed Multimedia Home Networking Over Powerline," National Cable and Telecommunications Association (NCTA) National Show, San Francisco, CA, April 3-5, 2005.
25. Richard E. Newman, Vipin N. Reddy, and Ira S. Moskowitz, "Anonymity and Covert Channels in Simple Timed Mix-firewalls," in proceedings of WPET 2004, May 2004, Toronto, Canada, pp. 1-16. published in LNCS 3424, D. Martin and A. Serjantov, eds., Springer
26. Ira S. Moskowitz, Richard E. Newman and Paul F. Syverson, "Quasi-anonymous Channels," in proceedings of CNIS 2003, December 2003, NY, NY, pp. 126-131.
27. Ira S. Moskowitz, Richard E. Newman, Daniel P. Crepeau and Allen R. Miller, "Covert Channels and Anonymizing Networks," proceedings of ACM Workshop on Privacy in Electronic Society (WPES), October 30, 2003, Washington, DC, pp. 79-88.
28. Serjantov, Andrei and Richard E. Newman, "On the Anonymity of Timed Pool Mixes," IFIP International Information Security Conference, 2nd Bi-Annual Working Conference on Privacy and Anonymity in Networked and Distributed Systems (I-NetSec03), 26-28 May, 2003, Athens, Greece.
29. Newman, Richard E., Ira S. Moskowitz, Paul Syverson and Andrei Serjantov, "Metrics for Traffic Analysis Prevention," Workshop on Privacy Enhancing Technologies, 26-28 March, 2003, Dresden, Germany
30. Newman, R., Lee, M. K., S. Katar, H. Latchman and L. Yonge, "Field Performance Comparison of IEEE 802.11b and HomePlug 1.0", 27th Annual IEEE Conference on Local Computer Networks, Nov. 6, 2002 - Nov. 8, 2002, Tampa, Florida, pp. 598-599.
31. Onbilger, Oguz Kaan, R. Chow and R. Newman, "Remote Digital Signing with Mobile Agents," The Second International Workshop for Asian Public Key Infrastructures (IWAP 2002), October 30-November 01, 2002, Taipei, Taiwan, pp. 123-130.
32. Newman, Richard, Ira Moskowitz, Li-Wu Chang and Murali M. Brahmadesam, "A Spatial Steganographic Embedding Undetectable by JPEG-Compatibility Steganalysis," Int'l. Workshop on Information Hiding IH 2002, October, 2002, the Netherlands, pp. 258-277.

33. Moskowitz, I. S., L. Chang and R. E. Newman, "Capacity is the Wrong Paradigm", ACM New Security Paradigms Workshop, September 23-26, 2002, Virginia Beach, VA, USA, pp. 114-126.
34. Onbilger, Oguz Kaan, R. Newman and R. Chow, "A Distributed and Compromise-tolerant Mobile Agent Protection Scheme," International Conference on Intelligent Agents, Web Technologies and Internet Commerce - IAWTIC2001, July 2001, Las Vegas, pp. 394-400.
35. Lee, Chung-Wei, Jonathan C.L. Liu, Randy Chow, and Richard Newman, "Altruistic QoS Routing with Multimedia Dispersion," accepted for publication in International Conference on Multimedia and Exposition, July 2001, Japan.
36. Lee, Chung-Wei, Jonathan C.L. Liu, Randy Chow, and Richard Newman, "An Altruistic QoS Routing for Multimedia Communications," accepted for publication in International Symposium on Intelligent Multimedia, Video & Speech Processing, Hong Kong, May 2-4, 2001.
37. Richard Newman, "Key Distribution for a MLS Network Architecture," *Proceedings of the SPIE Conference on Mathematics of Data/Image Coding, Compression, and Encryption III*, San Diego, CA, July 2000, pp. 29-43.
38. Newman, R., B. Bouldin, P. Broccard, T. Coscenza, S. Farago, M. Hoyt, K. Nolan, M. Sanders, T. Swanson and J. Winner, "Use of LSP in Securing Wireless LAN Communications," *Proceedings of the SPIE Conference on Mathematics of Data/Image Coding, Compression, and Encryption III*, San Diego, CA, July 2000, pp. 44-55.
39. Lee, C. W., R. Chow and R. Newman, "A QoS Routing Model for Active Networks," *Proc. 5th International Conference on Computer Science and Informatics*, Washington, D.C., February, 2000.
40. Newman, R., M. V. Hoyt, T. Swanson, P. Broccard, M. Sanders and J. Winner, "Design of LAN-Lock, A System for Securing Wireless Networks," *Proceedings of the Fifteenth Annual Computer Security Applications Conference*, pp. 170-177, Phoenix, AZ, Dec. 6-10, 1999.
41. Jyh-haw Yeh, Randy Chow, and Richard Newman, "A Dynamic Interdomain Communication Path Setup in Active Network," *Proceedings of the First International Working Conference on Active Networks*, pp. 274-284, Berlin, Germany, June 30-July 2, 1999.
42. Newman, R. and O. Onbilger, "Analysis of Multidimensional Rotation Cryptosystems," *Proceedings of the SPIE Conference on Mathematics of Data/Image Coding, Compression, and Encryption*, Denver, CO, July 1999.
43. Newman, R., L. Dyson and O. Sabina, "Authentication and Key Exchange for Mobile Groupware Users," *Proceedings of the SPIE Conference on Mathematics of Data/Image Coding, Compression, and Encryption*, 3456, San Diego, CA, July 1998.
44. Yeh, S., R. Chow and R. Newman, "Key Assignment for Enforcing Access Control Policy Exceptions," *Proceedings of the International Symposium on Internet Technology*, pp. 54-59, Taipei, Taiwan, April 1998.
45. Eksioglu, O., R. Newman and R. Chow, "The Design and Implementation of Packet-Level Access Control Security Scheme (PASS)," *Proceedings of the International Symposium on Internet Technology*, pp. 266-271, Taipei, Taiwan, April 1998.
46. Newman, R. E., R. Chow and J. Lin, "Efficient Link Access Protocols for High Delay Shared Laser Links," *Proceedings of the SOQUE International Symposium on Lasers*, New Orleans, LA, December 1997.
47. Yeh, S., R. Chow and R. Newman, "Interdomain Access Control with Policy Routing," *Proceedings of the 6th IEEE Workshop on Future Trends in Distributed Computing*, pp. 46-52, Tunis, Tunisia, October 1997.

48. Venkatraman Balaji R. and R. E. Newman-Wolfe, "Capacity Estimation and Auditability of Network Covert Channels," *Proceedings of the IEEE Symposium on Security and Privacy*, pp. 186-198, Oakland, CA, May 8-10, 1995.
49. Venkatraman Balaji R. and R. E. Newman-Wolfe, "Performance Analysis of a Method for High Level Prevention of Traffic Analysis Using Measurements from a Campus Network," *Proceedings of the IEEE/ACM Tenth Annual Computer Security Applications Conference*, pp. 288-297, Orlando, FL, December 5-9, 1994.
50. Venkatraman, Balaji R., Hyun Park and R. E. Newman-Wolfe, "Simulation of a SMDS Network," *Proceedings of Summer Computer Simulation Conference*, La Jolla, CA, July 18-20, 1994.
51. Acharya, Madhu K., Bharati Bhalla, R. E. Newman-Wolfe, Haniph Latchman and Randy Chow, "A Flow Model for Computer Network Traffic Using Real-time Measurements," in *Proceedings of the Second International Conference on Telecommunication Systems, Modeling and Analysis*, pp. 141-149, Nashville, TN, March 1994.
52. Venkatraman Balaji R. and R. E. Newman-Wolfe, "Transmission Schedules to Prevent Traffic Analysis," *Proceedings of the IEEE/ACM Ninth Annual Computer Security Applications Conference*, pp. 108-115, Orlando, FL, December 6-10, 1993.
53. Harathi, Krishna, Padmashree Krishna, Richard E. Newman-Wolfe and Randy Y. C. Chow, "A Fast Link Assignment Algorithm for Satellite Communication Networks," *Proceedings of the Twelfth Annual International Phoenix Conference on Computers and Communication*, pp. 401-408, Phoenix, AZ, March 23-26, 1993.
54. Acharya, Madhu K., R. E. Newman-Wolfe, Haniph Latchman, Randy Chow and Bharati Bhalla, "Hierarchical Traffic Characterization of a Local Area Network," *Proceedings of the International Conference of Computer Networks: Current Status - Future Goals*, pp. FT7-FT15, Ahmedabad, India, December 10-11, 1992.
55. Ward, Christopher, Saqib Khan, Yuan-Chieh Chow and Richard Newman-Wolfe, "Performance of a Routing Switch Using Transputers," *Proceedings of International Simulation Technology Conference, SIMTEC 92*, pp. 118-132, Clear Lake, TX, November 4-6, 1992.
56. Newman-Wolfe, R. E. and Balaji R. Venkatraman, "Performance Analysis of a Method for High Level Prevention of Traffic Analysis," *Proceedings of the IEEE/ACM Eighth Annual Computer Security Applications Conference*, pp. 123-130, San Antonio, TX, November 30-December 4, 1992.
57. Acharya, Madhu K., R. E. Newman-Wolfe, Haniph A. Latchman, Randy Chow and Bharati Bhalla, "Real-time Hierarchical Traffic Characterization of a Campus Area Network," *Proceedings of the Sixth International Conference on Modeling Techniques and Tools for Performance Evaluation*, pp. 113-128, Edinburgh, Scotland, September 16-18, 1992.
58. Newman-Wolfe, R. E., M. Webb and M. Montes, "Implicit Locking in the Ensemble Object-Oriented Concurrent Graphics Editor," *Proceedings of the ACM Conference on Computer Supported Cooperative Work, CSCW 92*, pp. 265-272, Toronto, Ont., November 1-4, 1992.
59. Newman-Wolfe, R. E. and M. Montes, "Conference Access Control in DCS," *Proceedings of GroupWare '92*, pp. 433-437, San Jose, CA, August 3-5, 1992.
60. Woo, Tai-Kuo and Richard Newman-Wolfe, "Huffman Trees as a Basis for a Dynamic Mutual Exclusion Algorithm for Distributed Systems," *Proceedings of the 12th IEEE International Conference on Distributed Computing Systems*, pp. 126-133, Yokohama, Japan, June 9-12, 1992.
61. Alvarez-Del-Pino, Felipe, Randy Chow, Saleem F. Hussaini, Haniph A. Latchman, Yann-Hang Lee, Gowdgere K. Madhusudan, Richard Newman-Wolfe and Balaji R. Venkatraman, "Performance Analysis and Traffic Characterization of an Ethernet Campus Network to Identify and Develop Possible SMDS Applications and Scenarios," *Proceedings of IEEE Southeastcon '92*, pp. 389-391, Birmingham, April 12-15, 1992.

62. Venkatraman, B. R., R. E. Newman-Wolfe and R. Chow, "Measurements and Characterization of Traffic in a University Environment," *Proceedings of the 30th Annual ACM Southeast Conference*, pp. 45-52, Raleigh, NC, April 8-10, 1992.
63. Soon Lye Lim and Richard E. Newman-Wolfe, "Relationships between Network Parameters and the Performance of Distributed Adaptive Routing Algorithms Using Learning Automata in Packet-Switched Datagram Networks," *Proceedings of IEEE Conference on Knowledge-Based Systems, SPIE OE/Aerospace Sensing Symposium*, pp. 117-125, Orlando, April 20-24, 1992.
64. Luo, K. C., W. Klostermeyer, Y. C. Chow and R. E. Newman-Wolfe, "An Optimal Distributed Algorithm for Failure-Driven Leader Election in Bounded-Degree Networks," *Proceedings of the 3rd IEEE Workshop on Future Trends in Distributed Processing*, pp. 136-141, Taipei, Taiwan, April 1992.
65. Newman-Wolfe, R. E. and B. R. Venkatraman, "High Level Prevention of Traffic Analysis," *Proceedings of the Seventh Annual Computer Security Applications Conference*, pp. 102-109, San Antonio, December 2-6, 1991.
66. Newman-Wolfe, R. E. and H. Pelimuhandiram, "The MACE Fine-grained Concurrent Text Editor," *Proceedings of ACM/IEEE Conference on Organizational Computing Systems, COCS 91*, pp. 240-254, Atlanta, November, 1991.
67. Newman-Wolfe, R. E., C. Ramirez, H. Pelimuhandiram, M. Montes, M. Webb and D. L. Wilson, "A Brief Overview of the DCS Distributed Conferencing System," *Proceedings of the Summer Usenix Conference*, pp. 437-452, Nashville, TN, June 1991.
68. Luo, K. C., Y. C. Chow and R. E. Newman-Wolfe, "Near-optimal Heuristics for Scheduling on Task-dependent Machines," *Proceedings of the Second IEEE Symposium on Parallel and Distributed Processing*, pp. 842-847, December 1990.
69. Luo, K. C., Y. C. Chow and R. E. Newman-Wolfe, "An Efficient Broadcast Protocol in Networks with Changing Topologies," *Proceedings of the Second IEEE Workshop on Future Trends in Distributed Computing Systems*, pp. 88-93, September 1990.
70. Luo, K. C., Y. C. Chow and R. E. Newman-Wolfe, "An Efficient Algorithm for Reconfiguration of Large-Scale Point-to-Point Satellite Computer Networks with Maximum Connectivity," *Proceedings of the Ninth Annual International Phoenix Conference on Computers and Communication*, pp. 194-201, March 1990.
71. Woo, T. K., Stanley Y. W. Su and Richard Newman-Wolfe, "Enhancing the Performance of a Dynamically Partitionable Bus Network Using a Graph Coloring Algorithm," *Proceedings of the 1990 ACM Computer Science Conference*, pp. 29-36, Wash. D. C., Feb. 19-22, 1990.
72. Bermudez, M., G. Logothetis and R. E. Newman-Wolfe, "Parallel Generation of LR Parsers," *Proceedings of the International Conference on Parallel Processing* Vol. III, pp. 151-155, St. Charles, IL, Aug. 1988.
73. Newman-Wolfe, R. E. and A. Mirkis, "Use of Blackboards in Software Project Information Management," *Proceedings of ACM SECON 88*, pp. 708-713, Apr. 20-22, 1988.
74. McLochlin, C., C. Ward, Y. C. Chow, R. E. Newman-Wolfe, J. N. Wilson, and T. B. Hughes, "Optimizing the Delay and Reliability of Low Altitude Satellite Network Topologies," *Proceedings of the IEEE Military Communications Conference, MILCOM87*, pp. 417-422, Washington, D.C., October 19-22, 1987.
75. McLochlin, C., C. Ward, Y. C. Chow, R. E. Newman-Wolfe, J. N. Wilson and T. B. Hughes, "Determining the Delay and Reliability of Low Altitude Satellite Network Topologies Using Simulation," *Proceedings of ACM SIGSIM and IEEE Computer Society Symposium on the Simulation of Computer Networks*, pp. 28-35, Colorado Springs, CO, August 1-4, 1987.

76. Newman-Wolfe, R. E., "A Protocol for Wait-Free Atomic Multi-Reader Shared Variables," *Proceedings of the 1987 ACM Symposium on the Principles of Distributed Computing*, pp. 232-247, Vancouver, BC, Canada, August 1987.
77. Newman-Wolfe, R. E., "A Partitioning Problem Arising in the Design of Small Universal Emulators," *Proceedings of the 24th Annual Allerton Conference on Communication, Control, and Computing*, pp. 807-811, Monticello, IL, October 1986.
78. Newman-Wolfe, R. E., "Economical Atomic Multi-Reader Shared Registers," *Proceedings of the 24th Annual Allerton Conference on Communication, Control, and Computing*, pp. 1073-1078, Monticello, IL, October 1986.

Unrefereed Conferences and Technical Reports

1. Ira S. Moskowitz, Richard E. Newman, Daniel P. Crepeau and Allen R. Miller, "A Detailed Mathematical Analysis of a Class of Covert Channels Arising in Certain Anonymizing Networks," Technical Report NRL/MR/5540-03-8691, Naval Research Laboratory, Code 5543, Washington, DC 20375-5320, August 1, 2003, 37 pages.
2. W. F. Klostermeyer, R. E. Newman-Wolfe, K. Luo and Y. C. Chow, "DAG Compression for Improving Response after Deadlock Resolution," Southeast International Conference on Combinatorics, Graph Theory and Computing, Baton Rouge, LA, Feb. 1991.
3. M. E. Bermudez, R. E. Newman-Wolfe and G. Logothetis, "Parallel Computation of Top-Down Context-Free Parsers," Southeast International Conference on Combinatorics, Graph Theory and Computing, Baton Rouge, LA, Feb. 1991.
4. R. E. Newman-Wolfe and S. L. Davis, "Sequences, Schedules, and Initialization of Unsynchronized Networks," Southeast International Conference on Combinatorics, Graph Theory and Computing, Boca Raton, FL, Feb. 1990.
5. R. E. Newman-Wolfe, S. L. Davis and Y. C. Chow, "Initialization of Dynamic Laser Networks," *Proceedings of the Society for Optical and Quantum Electronics Lasers '89 Conference*, New Orleans, LA, Dec. 3-8, 1989.
6. R. Chow, C. McLaughlin, C. Ward and R. E. Newman-Wolfe, "Link Assignment and Routing in Low Altitude Satellite Networks," *Proceedings of SPIE Symposium on Innovative Science and Technology*, Los Angeles, CA, Jan. 1988.
7. R. Paturi, Joel I. Seiferas, J. Simon and R. E. Newman-Wolfe, "Milking the Aanderaa Argument," University of Rochester TR-266, Nov. 1988.
8. R. E. Newman-Wolfe, R. Dutton and R. Brigham, "Connecting Sets in Graphs - A Domination Related Concept," presented at the Southeast International Conference on Combinatorics, Graph Theory and Computing, Boca Raton, FL, 1988.
9. R. E. Newman-Wolfe and A. Mirkis, "Use of Blackboards in Software Project Information Management," SERC-TR-6F, UF CIS Department, Dec. 1987.
10. R. E. Newman-Wolfe, "Communication Issues in Parallel Computation," dissertation, University of Rochester, August 1987, appears as TR-200, University of Rochester Computer Science Department, December, 1986.
11. R. E. Newman-Wolfe, "Observations on Multi-Peg Towers of Hanoi," TR-187, University of Rochester Computer Science Department, July 1986.
12. R. E. Newman-Wolfe, "Outside Path Partitions," *Proceedings of the 1986 Open House*, TR-184, University of Rochester Computer Science Department, pp. 9-14, April 1986.

13. R. E. Newman-Wolfe (editor), Proceedings of the 1986 Open House, TR-184, University of Rochester Computer Science Department, April 1986.
14. R. E. Newman-Wolfe, "A Set Theoretic Problem: A Solution for the Hypercube and its Applications," TR-171, University of Rochester Computer Science Department, October 1985.