

PAUL DOUGLAS WIEDEMEIER

PERSONAL DATA

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PROFESSIONAL PREPARATION

2005	Ph.D.	Computer Engineering and Computer Science	University of Missouri – Columbia
1992	M.S.	Computer Science	Michigan Technological University
1990	B.S.	Computer Science	Drake University

ACADEMIC APPOINTMENTS

2005 – Present	Assistant Professor of Computer Science	The University of Louisiana at Monroe
1999 – 2005	Assistant Professor of Computer Science	Columbia College of Missouri
1995 – 1998	Instructor of Computer Science	University of Missouri – Columbia
1990 – 1992	Graduate Teaching Assistant	Michigan Technological University

PUBLICATIONS

Paul D. Wiedemeier, **Transmitting Medical Imagery over 2-Meter Amateur Packet Radio Networks using TCP Reno and UDP**, *Proceedings of the 2008 IEEE Aerospace Conference*, Institute of Electrical and Electronics Engineers, March, 2008.

Paul D. Wiedemeier, **Performance Modeling of TCP and UDP over Packet Radio Networks using the ns-2 Network Simulator**, *Proceedings of the 26th ARRL and TAPR Digital Communications Conference*, September 2007.

Paul D. Wiedemeier, Jose L. Cordova, Lon A. Smith, and Kimberly W. Taylor, **An Evaluation of the Efficacy of Seminars in Retaining and Recruiting Computer Science Majors**, *The Journal of Computing Sciences in Colleges*, Consortium for Computing Sciences in Colleges, March, 2007.

Paul D. Wiedemeier and Harry W. Tyrer, **Improved Near-Earth Internet Data Transmission Using New Multi-Layer OSI Protocol Designs**, *Proceedings of the 2007 IEEE Aerospace Conference*, Institute of Electrical and Electronics Engineers, March, 2007.

Harry W. Tyrer and Paul D. Wiedemeier, **Satellites for Internet Communication**, *IEC Annual Review of Wireless Communications*, International Engineering Consortium, ISBN: 978-1-931695-40-4, 2006.

Harry W. Tyrer and Paul D. Wiedemeier, **Satellites for Internet Communication**, *IEC Annual Review of Communications*, Volume 58, International Engineering Consortium, ISBN: 978-1-931695-36-7, 2006.

Paul D. Wiedemeier, **Transport, Network, and Data-Link Layer Protocol Designs to Improve Geo-Stationary Earth Orbit Satellite Data Set Transmission Performance**, *Ph.D. Dissertation*, Department of Computer Science, University of Missouri - Columbia, Columbia, Missouri, May, 2005.

Paul D. Wiedemeier and Harry W. Tyrer, **Multiple Segment Transmission with Majority Decoding Transport Layer Protocol for Geo-Stationary Earth Orbit Satellites**, *Proceedings of the 2004 IEEE Aerospace Conference*, Institute of Electrical and Electronics Engineers, March, 2004.

Paul D. Wiedemeier and Harry W. Tyrer, **Large File Transmissions over High Bandwidth High Delay Communication Channels using TCP**, *Proceedings of the 2003 IEEE Aerospace Conference*, Institute of Electrical and Electronics Engineers, March, 2003.

Paul D. Wiedemeier, **Preventing Plagiarism in Computer Literacy Courses**, *The Journal of Computing in Small Colleges*, Vol. 17, No. 4, Pages 154-193, Consortium for Computing in Small Colleges, March, 2002.

Harry W. Tyrer, Paul D. Wiedemeier, and Richard W. Cattlet, **Rural Telemedicine: Satellites and Fiber Optics**, *Proceedings of the 38th Annual Rocky Mountain Bioengineering Symposium*, Copper Mountain, Colorado, Vol. 37, Pages 417-422, 2001, Biomedical Sciences Instrumentation, Instrument Society of America, Research Triangle Park, N.C., 2001.

FUNDED PROPOSALS & SYNERGISTIC ACTIVITIES

Paul D. Wiedemeier, March 2006, The University of Louisiana at Monroe Student Technology Access Plan Grant, *Digital Logic Software and Hardware for the Enhancement of Computer Organization and Architecture Education at ULM*, \$3,342.

Paul D. Wiedemeier, March 2005, The University of Louisiana at Monroe Student Technology Access Plan Grant, *A Wireless Laptop Sandbox*, \$14,795.

COLLABORATORS (PAST 48 MONTHS)

Jose L. Cordova	The University of Louisiana at Monroe
Lon A. Smith	The University of Louisiana at Monroe
Kimberly W. Taylor	The University of Louisiana at Monroe
Harry W. Tyrer	University of Missouri – Columbia
Charles B. Pheatt	Emporia State University
Jorge Luis Ballester	Emporia State University
Kenneth Wayne Thompson	Emporia State University
Yixin Yang	Emporia State University
Chia-Chu Chiang	University of Arkansas at Little Rock
Venkat N. Gudivada	Marshall University

PROFESSIONAL MEMBERSHIPS

Association for Computing Machinery
Institute of Electrical and Electronics Engineers
Consortium for Computing Sciences in Colleges

Amateur Radio Relay League
Tucson Amateur Packet Radio Corporation
Louisiana Academy of Sciences

LICENSES

Federal Communications Commission Technicians Amateur Radio License, KE5LKY.

HONORS AND AWARDS

The Clarke M. Williams, Jr. Endowed Professor of Computer Science at The University of Louisiana at Monroe.