Ruhai Wang, Ph.D.
Professor
Graduate Program Coordinator
Phillip M. Drayer Department of Electrical Engineering
Lamar University
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PROFESSIONAL EXPERIENCE

Professor, August 2014 - Present
Phillip M. Drayer Department of Electrical Engineering
Lamar University
Beaumont, Texas 77710 USA

Associate Professor, July 2007   June 2014
Phillip M. Drayer Department of Electrical Engineering
Lamar University
Beaumont, Texas 77710 USA

Assistant Professor, June 2002 - June 2007
Phillip M. Drayer Department of Electrical Engineering
Lamar University
Beaumont, Texas 77710 USA

AREAS OF EXPERTISES AND RESEARCH INTERESTS

Computer Networks and Security
Cyber-Physical Systems and Cybersecurity
Satellite/Space Networks and Deep-Space Communications
Delay-/Disruption-Tolerant Networks (DTN)
Intermittent-Connectivity Networks
Wireless and Ad Hoc Networks

HIGHEST DEGREE EARNED

Ph.D. in Electrical/Computer Engineering   August 2001
New Mexico State University, Las Cruces, New Mexico, USA
Advisor: Dr. Stephen Horan (Currently a Principal Investigator at NASA Langley Research Center)

HIGHLIGHT OF PROFESSIONAL ACTIVITIES

(1)   Associate Editor, *IEEE Transactions on Aerospace & Electronics Systems*, 2018-Present
(2)   Associate Editor, *IEEE Aerospace & Electronics Systems Magazine*, January 2012-Present
(3)   Member, The Teaching Board of PhD Program in Science and Technology for Electronic and Telecommunication (STIET), University of Genova, Italy, 2018-Present
(4)   Named as   Best Associate Editor   of *IEEE Aerospace & Electronics Systems Magazine*, 2015
(5)   Associate Editor, *Wiley InterScience's Wireless Communications and Mobile Computing Journal,* Aug.

2006-2010
(6)   Guest Editor,

(http://onlinelibrary.wiley.com/doi/10.1002/dac.853/abstract)

(10) G. Giambene, B. Yeo, and **R. Wang** Special issue on Cross-Layer Design for QoS Support in Wireless and Hybrid Networks Special issue on Cross-Layer Design for QoS Support in Wireless and Hybrid Networks of *Journal of Communications Software and Systems* (JCOMSS), vol. 3, No. 3, September 2007, pp. 145-147.

(11) B. Sun, Y. Xiao, and **R. Wang** raudulent usage in wireless n *IEEE Transactions*

IEEE Transactions on Aerospace and Electronic Systems, vol. 49, No. 3, July 2013, pp.1677-1691. (http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6558012)

(25) J. Hu, **R. Wang**, Q. Zhang, Z. Wei,
        IEEE Systems Journal, vol. 7, No. 4, December 2013, pp. 658-668.
        (http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6423201)

(39) **R. Wang**, M. Qiu, K. Zhao, and Y. Qian   Optimal RTO Timer for Best Transmission Efficiency of DTN Protocol in Deep-Space Vehicle Communications *IEEE Transactions on Vehicular Technology*, vol. 66, No. 3, March 2017, pp. 2536-2550.
(http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7478130)

(40) A. Sabbagh,

(53) Y. Zhou, S. Burleigh, **R. Wang**, and K. Zhao, A Study of Cross-Layer BP/LTP Data Block Size in Space Vehicle Communications over Lossy and Highly Asymmetric Channels *IEEE Transactions on Vehicular Technology* (under review).

<u>Peer-reviewed Conference Papers Published (incomplete list)</u>
(54) S. Horan and **R. Wang** -FP and TCP/IP FTP over a Simulated *Proceedings of International Telemetry Conference*, Vol.35, October 1999.
(55) S. Horan and **R. Wang** *Proceedings of 14th AIAA Conference on Small Satellites*, August 2000.
(56) S. Horan and **R. Wang** - *Proceedings of IEEE Conference on Aerospace and Electronic Systems*, March 2001.
(57) **R. Wang** -Space Links *Proceedings of IEEE GLOBECOM 2004*, Dallas, TX, 2004.
(58) **R. Wang** -TP over LEO/GEO-Stationary Space L *Proceedings of IEEE 13th International Conference on Computer Communications and Networks (ICCCN),* Chicago, IL, 2004.
(59) **R. Wang**

IEEE GLOBECOM 2006, San Francisco, CA, November 2006.

(75) B. Sun, Y. Xiao, **R. Wang**   ss
IEEE GLOBECOM 2006, San Francisco, CA, November 2006.

(76) **R. Wang**
Protocol (CFDP) in Deferred NAK Mode over GEO-   In *Proc. of IEEE International Conference on Communications (ICC)* 2007.

(77) **R. Wang**   -based and Delay-Tolerant
Protocols over LEO-   *Proc. of IEEE International Conference on Communications (ICC)* 2007.

(78) **R. Wang**   -based
and Store-and-Forward Transmission Mechanisms over Error-
Proc. of IEEE International Conference on Communications (ICC) 2007.

(79) **R. Wang**
Proc. of IEEE International Conference on Communications (ICC) 2007.

(80) **R. Wang**
NAK oP-5(fe)-171(tETQq0.00000912 0 612 792 reW*nBT/F1 9.96 Tf1 0 0 1 261.41 511.14 Tm0 g0 G[(NAK)-1ETQq0.00(

(14) A. Reshamwala, MSEE, December 2009

(1)   Best Associate Editor, *IEEE Aerospace & Electronics Systems Magazine*, 2015
(2)   Lamar University Presidential Faculty Fellowships, 2015.
(3)   Nominee for IEEE Communications Society Best Tutorial Paper, 2009.
(4)   University Merit Award, Lamar University, 2007.