

## Zhaosheng FENG (Short CV)

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CONTACT INFORMATION	School of Math & Stat Sciences University of Texas-Rio Grande Valley 1201 West University Drive Edinburg, Texas 78539 USA	<i>Office:</i> MAGC 3.730 <i>Phone:</i> (956) 665-7483 <i>Fax:</i> (956) 665-5901 <i>E-mail:</i> zhaosheng.feng@utrgv.edu <a href="http://faculty.utrgv.edu/zhaosheng.feng/">http://faculty.utrgv.edu/zhaosheng.feng/</a>
CITIZENSHIP	U.S. Citizen	
EDUCATION	<b>Texas A&amp;M University</b> , College Station, Texas, USA Ph.D., Mathematics, August 1999–June 2004 <i>Committee Members:</i> Goong Chen, Ciprian Foias, Donald Friesen, Joseph Pasciak	
RESEARCH INTERESTS	Primary Research Area: Applied Mathematics Current Research Interests: Analysis on Differential Equations (ODEs and PDEs), Dynamical Systems, Computational Methods of Wave Solutions, Mathematical Physics, and Mathematical Biology. <ul style="list-style-type: none"><li>• Traveling wave phenomena in nonlinear evolution equations</li><li>• Analysis on nonlinear differential equations: ODEs, PDEs (parabolic and elliptic equations, and some mixed types), and reaction-diffusion systems</li><li>• Bifurcation theory, similarity transformations, and chaotic dynamical systems</li><li>• Lie symmetry reduction, and symbolic computational methods</li><li>• Biological systems, neurodynamics, modeling and analysis in animal dispersal</li></ul>	
PROFESSIONAL EXPERIENCE	2014 Full-Professor, University of Texas Rio Grande Valley, USA 2009 Associate Professor, University of Texas Rio Grande Valley, USA 2004 Assistant Professor, University of Texas Rio Grande Valley, USA	
HONORS	UTRGV Faculty Excellence Award in Research, May 2015 Yuanxun Qin Math Prize Winner, August 2017 etc	
EDITORIAL BOARDS	<i>AIMS Mathematics (AIMS)</i> <i>Communications in Nonlinear Science and Numerical Simulation (Elsevier)</i> <i>Communications of the Korean Mathematical Society (KMS)</i> <i>Discrete and Continuous Dynamical Systems-S (AIMS)</i> <i>Electronic Journal of Differential Equations (EJDE)</i> <i>International Journal of Bifurcation and Chaos (World Scientific)</i>	
PROFESSIONAL SERVICE	<b>Selected Professional Service</b> <ul style="list-style-type: none"><li>• 2017, Scientific Committee Member, Eleventh International Conference on Recent Advances in Applied Dynamical System, Xi'an Jiaotong University, Xi'an, China, June 9-11, 2017.</li><li>• 2017, Scientific Committee Member, Tenth International Workshop on Chaos-Fractals Theories and Applications, Qinhuangdao, Hebei, China, August 15-18, 2017.</li><li>• 2016, Scientific Committee Member, International Conference on Integrable Theories on Partial Differential Equations, Zhenjiang, China, October 14-17, 2016.</li><li>• 2015, Scientific Committee Member, Ninth International Conference on Recent Advances in Applied Dynamical Systems, Guangzhou, China, June 1-4, 2015.</li></ul>	

- 2014, Scientific Committee Member, Eighth International Conference on Recent Advances in Applied Dynamical Systems, Guilin, China, June 4-6, 2014.
- 2012, Organizing Committee Member, “Ninth AIMS Conference on Dynamical Systems, Differential Equations and Applications”, Hyatt Grand Cypress, Orlando, Florida, USA, July 1-5, 2012.
- 2010, International Advisory Committee Member, “4th Fourth International Symposium on Nonlinear Sciences and Applications (Shanghai NSA’10)”, Fudan University, Shanghai, China, June 27-July 2, 2010.
- 2010, Global Organizing Committee Member, “Eighth AIMS Conference on Dynamical Systems, Differential Equations and Applications”, Dresden University of Technology, Dresden, Germany, May 25-28, 2010.

REFEREED  
PUBLICATIONS

Selected Papers Published in the Peer-reviewed Journals:

- H. Zhan and Z. Feng, Solutions of evolutionary  $p(x)$ -Laplacian equation based on the weighted variable exponent space, *Zeitschrift für angewandte Mathematik und Physik (ZAMP)*, accepted.
- Z. Du, Z. Feng and X. Zhang, Traveling wave phenomena of  $n$ -dimensional diffusive predator-prey systems, *Nonlinear Analysis (RWA)*, accepted.
- J. Sun, T.F. Wu and Z. Feng, Multiplicity of positive solutions for a Schrödinger-Poisson system, *Journal of Differential Equations*, 260 (2016), 586-627.
- J. Chu, Z. Feng and M. Li, Periodic Shadowing of Vector Fields, *Discrete and Continuous Dynamical Systems-A*, 36 (2016), 3623-3038.
- S. Zheng and Z. Feng, Regularity of subelliptic  $p$ -harmonic systems with subcritical growth in Carnot group, *Journal of Differential Equations*, 258 (2015), 2471-2494.
- Y. Li, J. Garcia, G. Franco and Z. Feng, Critical magnetic fields of superconducting aluminum-substituted  $Ba_8Si_4Al_4$  clathrate, *Journal of Applied Physics*, 117 (2015), 213912-5.
- Z.J. Du and Z. Feng, Periodic solutions of a neutral impulsive predator-prey model with Beddington-DeAngelis functional response with delays, *Journal of Computational and Applied Mathematics*, 258 (2014), 87-98.
- Z. Feng, J. Tian, S. Zheng and H.F. Lu, Travelling wave solutions of the Burgers-Huxley equation, *IMA Journal of Applied Mathematics*, 77 (2012), 316-325.
- S. Zheng and Z. Feng, Green functions for a class of nonlinear degenerate operators with the  $X$ -elliptic condition, *Transactions of the American Mathematical Society*, 364 (2012), 3627-3655.
- Y.H. Su and Z. Feng, A non-autonomous Hamiltonian system on time scales, *Nonlinear Analysis (TMA)*, 75 (2012), 4126-4136.

HOBBY

Traveling, Reading, music and writing (have some poems published)

Playing tennis and badminton

(Men’s Single Champion of Badminton at the 1997 BJU Intramural Olympic Games;  
Men’s Doubles Champion of the 2009 UTPA Intramural Badminton Tournament)