

## Zhaosheng FENG (Short CV)

---

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	2015 UTPA/UTRGV Faculty Excellence Award in Research etc.	
EDITORIAL SERVICES	<i>Communications in Nonlinear Science and Numerical Simulation (Elsevier)</i> <i>Discrete &amp; Continuous Dynamical Systems–Series 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>• 2016, Scientific Committee Member, International Conference on Integrable Theories on Partial Differential Equations, Jiangsu University, 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><li>• 2014, Scientific Committee Member, Eighth International Conference on Recent Advances in Applied Dynamical Systems, Guilin, China, June 4-6, 2014.</li><li>• 2012, Organizing Committee Member, “Ninth AIMS Conference on Dynamical Systems, Differential Equations and Applications”, Hyatt Grand Cypress, Orlando, Florida, USA, July 1-5, 2012.</li><li>• 2011, Organizer of Mini-symposium “Nonlinear Analysis and Simulations of PDE Models”, SIAM Conference on Analysis of Partial Differential Equations</li></ul>	

(PD2011), Marriott Mission Valley, San Diego, California, November 14-17, 2011.

- 2010, International Advisory Committee Member, “4th Fourth Shanghai 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:

- 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.
- 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.
- Y.H. Su and Z. Feng, Positive solutions to the singular p-Laplacian BVPs with sign-changing nonlinearities and higher-order derivatives in Banach spaces on time scales, *Dynamics of Partial Differential Equations*, 8 (2011), 149-171.
- J.Y. Wang and Z. Feng, A nonautonomous competitive system with stage structure and distributed delays, *Proceedings of the Royal Society of Edinburgh-Section A*, 140A (2010), 1061-1080.
- Z. Feng and G. Chen, A reaction-diffusion equation and its traveling wave solutions, *International Journal of Nonlinear Mechanics*, 45 (2010), 634-639.
- Z. Feng and Y. Wan, Linearizing transformations to a generalized reaction-diffusion system, *Applicable Analysis*, 89 (2010), 1005-1021.
- Z. Feng and G. Chen, Traveling wave solutions in parametric forms for a diffusion model with a nonlinear rate of growth, *Discrete and Continuous Dynamical Systems (Series A)*, 24 (2009), 763-780.

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)