Name: Zhen Chen (陈 朕)

Gender: Male

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Education:

2018-Today: University of Rochester

        Experimental Phycology, Ph.D. student

2013-2018: Nanjing University of Aeronautics and Astronautics

        General and Fundamental Mechanics: Ph.D.

2007-2011: Nanjing University of Aeronautics and Astronautics

        General and Fundamental Mechanics: MS

2007-2011: Nanjing University of Aeronautics and Astronautics

        Engineering Mechanics: BS

Major Awards:

Scholarship: China National Scholarship for Doctoral Students – Oct. 2016, No. 08649

Scholarship: China National Scholarship for Undergraduate Students – Oct. 2009, No. 09244

Teaching Experience:

Substitute teacher of *Advanced Algebra* for first-year undergraduate students of Class Weichang Qian in Nanjing University of Aeronautics and Astronautics, Oct. 2015 - Jan. 2016

Lectures & Conferences

Thirty-second Conference on Neural Information Processing Systems (NeurIPS 2018), Dec 3-8, 2018, Montreal Convention Centre, Montreal, Canada

Conference on Cognitive Computational Neuroscience (CCN 2018), Sept. 5-8, 2018, Philadelphia, Pennsylvania, USA

Invited Lecture: The 5th National Conference on Stochastic Dynamics of China, Weihai, China, Oct. 14-15, 2017

Sectional Lecture: The 16th National Conference on Nonlinear Vibration & The 13th National Conference on Nonlinear Dynamics and Stability, Hangzhou, China, May 25-27, 2017

Invited Lecture: Conference on New Progress of Stochastic Dynamics and Control, Xi'an, China, Sep. 23-25, 2016

Invited Lecture: The 5th National Conference on Stochastic Dynamics of China & The 10th National Conference on Theory and Applications of Random Vibration, Fuzhou, China, Nov. 4-6, 2016

Sectional Lecture: The Chinese Conference of Theoretical and Applied Mechanics, Shanghai, China, Aug. 15-18, 2015

The 4th National Conference on Stochastic Dynamics of China, Xi'an, China, Apr. 18-19, 2015

The 9th National Conference on Theory and Applications of Random Vibration & The 3rd National Conference on Stochastic Dynamics, Lanzhou, China, Oct. 9-11, 2014

Selected Publications:

Chen Z, Zhu J, Liu X. 2017 Crossing the quasi-threshold manifold of a noise-driven excitable system. Proceedings of The Royal Society A 473: 20170058.

Chen Z, Liu X. 2017 Subtle escaping modes and subset of patterns from a nonhyperbolic chaotic attractor. Physical Review E 95: 012208.

Chen Z, Liu X. 2017 Noise induced transitions and topological study of a periodically driven system. Communications in Nonlinear Science and Numerical Simulation 48: 454–461.

Chen Z, Liu X. 2017 Singularities of fluctuational paths for an overdamped two-well system driven by white noise. Physica A 469: 206-215.

Chen Z, Li Y, Liu X. 2016 Noise induced escape from a nonhyperbolic chaotic attractor of a periodically driven nonlinear oscillator. Chaos 26: 935–992.

Chen Z, Liu X. 2016 Patterns and singular features of extreme fluctuational paths of a periodically driven system. Physics Letters A 380: 1953-1958.

Chen Z, Liu X. 2015 Effect of bounded noise on chaotic motions of stochastically perturbed slowly varying oscillator. Chaos, Solitons & Fractals 76: 72-81.

Zhu J, **Chen Z**, Liu X. Probability evolution method for exit location distribution,Physics Letters A 382 (11), 771-775

Zhu J, **Chen Z**, Liu X. 2016 Effects of distance-dependent delay on small-world neuronal networks. Physical Review E 93: 042417.

Kong C, **Chen Z**, Liu X. 2016 On the Stochastic Dynamical Behaviors of a Nonlinear Oscillator Under Combined Real Noise and Harmonic Excitations. Journal of Computational and Nonlinear Dynamics 12: 031015.