郭永峰简介

姓名	郭永峰	最高学位	博士
职务	副院长	导师资质	博导，硕导
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教育背景及工作经历

2005 年 07 月，毕业于曲阜师范大学数学科学学院，获数学与应用数学专业理学学士学位

2008 年 04 月，毕业于西北工业大学理学院应用数学系，获应用数学专业理学硕士学位

2010 年 10 月，毕业于西北工业大学理学院应用数学系，获应用数学专业理学博士学位

2010 年 10 月至今，天津工业大学教授

研究领域

应用概率统计、随机动力系统、计算数学、计算信息理论等

主要承担项目

1. 国家自然科学基金面上项目：基于信息熵理论的典型随机系统动力学行为的研究与应用（11672207）.（主持）
2. 国家自然科学基金青年项目：随机动力系统的信息熵及其在随机共振研究中的应用（11102132）.（主持）
3. 天津市自然科学基金面上项目：基于信息熵理论的随机共振动力学行为研究与应用（17JCYBJC15700）.（主持）
4. 国家自然科学基金项目：典型非线性系统随机混沌及其控制的研究（10472091）.（参与）
5. 国家自然科学基金项目：有界噪声激励下非线性系统的全局动力学研究（10872165）.（参与）
6. 国家自然科学基金项目：随机时滞系统的分析方法及典型动力学行为研究（10902085）.（参与）
7. 国家自然科学基金项目：非线性波方程的精确解与动力学研究及其在反应扩散模型中的应用（11002110）.（参与）
8. 天津市自然科学基金青年项目：不确定性系统的 Robust 最优控制理论及其应用研究（15JCQNJC04000）.（参与）

主要论文著作

[1]. Guo Yongfeng, Lou Xiaojuan, Dong Qiang, Wang Linjie, Dynamic behavior of periodic potential system driven by cross-correlated non-Gaussian noise and Gaussian white noise, International Journal of Robust and Nonlinear Control, 2022, 32: 126-140. (SCI)

[2]. Guo Yongfeng, Wang Linjie, Dong Qiang, Lou Xiaojuan, Dynamical complexity of FitzHugh–Nagumo neuron model driven by Lévy noise and Gaussian white noise, Mathematics and Computers in Simulation, 2021, 181: 430-443. (SCI)

[3]. Guo Yongfeng, Yao Ting, Wang Linjie, Tan Jianguo, Lévy noise-induced transition and stochastic resonance in a tumor growth model, Applied Mathematical Modelling, 2021, 94: 506-515.(SCI)

[4]. Guo Yongfeng, Dong Qiang, Wang Linjie, Lou Xiaojuan, Dynamical Complexity of FHN Neuron System Driven by Correlated Noises and Periodic Signal, Fluctuation and Noise Letters, 2021, 20: 2150012. (SCI)

[5]. Guo Yongfeng, Wei Fang, Wang Linjie, Lévy Noise-Induced Effects in Underdamped Asymmetric Bistable System, Fluctuation and Noise Letters, 2020, 19: 2050007. (SCI)

[6]. Guo Yongfeng, Wang Linjie, Wei Fang, Tan Jianguo, Stochastic resonance induced by Gaussian white noise and Lévy noise in simplified FitzHugh–Nagumo neural system, Indian Journal of Physics, 2020,

94(10): 1625-1632. (SCI)

[7]. Guo Yongfeng, Wang Linjie, Wei Fang, Tan, Jianguo; Dynamical behavior of simplified FitzHugh-Nagumo neural system driven by Lévy noise and Gaussian white noise, Chaos Solitons & Fractals, 2019,127: 118-126. (SCI, EI)

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[14]. Guo Yongfeng, Xi Bei, Shen Yajun, Tan Jianguo, Mean first-passage time of second-order and under-damped asymmetric bistable model, Applied Mathematical Modelling, 2016, 40: 9445-9453. (SCI, EI)

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[16]. Shen Yajun, Guo Yongfeng, Xi Bei, Steady state characteristics in FHN neural system driven by correlated non-Gaussian noise and Gaussian noise, Acta Physica Sinica, 2016, 65: 120501. (SCI, EI)

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[18]. Guo Yongfeng, Shen Yajun, Tan Jianguo, Stochastic resonance in second-order and under-damped asymmetric bistable system, Modern Physics Letters B, 2015, 29(7): 1550034. (SCI)

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成果及荣誉

2022年荣获天津工业大学“优秀青年研究生指导教师”；

2021年荣获天津工业大学“优秀党务工作者”；

2019年荣获天津工业大学“优秀共产党员”；

2017年入选天津市“中青年骨干创新人才培养计划”，天津市“131”创新型人才第二层次；

2017年荣获天津市数学会“青年学术二等奖”，校“优秀硕士学位论文指导老师”；

2017年荣获天津工业大学“就业工作”先进个人；

2016年荣获校“五比双创”劳动竞赛示范岗先进个人；

2014-2020年指导1名研究生获校级优秀硕士学位论文，3名研究生获得国家奖学金；

2010-2020年指导本科生或研究生多次获得美国数学建模竞赛、全国大学生/研究生数学建模竞赛、全国大学生数学竞赛奖项。

社会兼职

美国《Mathematical Review》评论员，国家自然科学基金委评审专家，国家科技专家库专家，天津市现场统计研究会理事，天津市工业与应用数学学会理事，中国数学会和中国工业与应用数学学会会员，国内外多个重要学术杂志的审稿专家。