福州大学 **FUZHOU UNIVERSITY** 数学与计算机科学学院/软件学院
College of Mathematics and Computer Science/College Of Software

教师登录 | English

搜索 🔍

首页　学院概况　新闻中心　党建工作　学科建设　人才培养　科研工作　师资队伍　学生工作　教工之家　招生信息

校友会　ESI专栏

⊞ 彭拯

🏠 首页 ❯ 师资信息 ❯ 彭拯

基本信息

职称
教授

职务
博士生导师

主讲课程
运筹学概论、运筹与优化

研究方向
优化理论、算法及其应用

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个人简介

Education:
1. June 2008: Ph. D., Department of Mathematics, Shanghai University. Advisor: Wu Donghua and Leng Gangsong.
2. June 2003: M.Sc., Department of Mathematics, Hunan Normal University. Advisor: Hanyuan Deng
3. June 1991: B.Sc., Department of Mathematics, YueYang Normal College.
4. June. 1998: B.Sc., Department of Computer Science, Xiangtan University.

Employment:
1. Jun.2002-Sep.2005: Department of Mathematics, Hunan Institute of Science and Technology. Instructor.
2. Sep.2005- Jun. 2008: College of Science, Shanghai University. Ph. D candidate. Jul. 2008-Jun.2010: Department of Mathematics, Nanjing University, Postdoctoral researcher. Host: Prof. He Bingsheng
3. Jul. 2010-Aug. 2010: The State Key Laboratory of Scientific and Engineering Computing, Chinese Academy of Sciences (CAS). Academic visitor.Host: Prof. Dai Yu Hong
4. Jul.2010- : College of Mathematics and Computer Science, Fuzhou University. Associate professor
5. 2011—Aug.2011. Department of Mathematics, Hong Kong Baptist University, Academic visitor. Host: Dr. Yuan Xiaoming,
6. 2011-Apr. 2012, Center of Theoretical Sciences, Cheng Kung University, Postdoctoral researcher. Host: Prof. Wu SoonYi

Research interests:
Global Placement in VLSI,
Convex optimization and its Applications;
Variational inequality;
Orthogonality constrained optimization;
Global optimization

Research Grants:
1. National Natural Science Foundation of China (Grant No. 11571074), 2016-2019, The Principal-Investigator
2. National Natural Science Foundation of China (Grant No. 61170308), 2011-2014, The second co-Principal-Investigator
3. FuJian Provincial Natural Science Foundation (Grant No. 2015J01010), 2015 - 2018, The Principal Investigator
4. FuJian Provincial Natural Science Foundation (Grant No. 2010J01008), 2011 - 2014, The Principal Investigator
5. Foundation of FuJian Educational Committee (Grant No.   ), 2011 - 2013, The Principal Investigator
6. Foundation of Fuzhou University, 2010-2012, The Principal Investigator

7. Shanghai Provincial Natural Science Foundation (Grant No. 09ZR1411100), 2009 -2011, The second co-Principal Investigator
8. JiangSu Provincial Postdoctoral Research Foundation (Grant No. 0901020), 2009 - 2010, The Principal Investigator
9. Foundation of Hunan Educational Committee (Grant No. 04C274), 2004-2006, The Principal Investigator
10. Hunan Provincial Natural Science Foundation of China (Grant No.), 2009 - 2011, The second co-Principal Investigator

Papers:

1. B.S. He,Z.Peng, X. Wang, Proximal alternating direction-based contraction methods for separable linearly constrained convex optimization，Front. Math. China, 6(1): 79-114, 2011.
2. B.S. Goh, Z.Peng, Partial Newton methods for unconstrained optimization and solution of linear equations,Dyna. of Contin., Disc. Impul. B: Appl. & Algo., 18(1): 17-28, 2011.
3. Z.Peng, D.H. Wu, An inexact parallel splitting augmented Lagrangian method for large system of linear equations, Appl. Math. Comp. 216: 1624-1636, 2010.
4. Z.Peng, D.H. Wu, An Inexact Proximal Alternating Directions Method for Monotone Structured Variational Inequalities, Proceeding of The International MultiConference of Engineers and Computer Scientists, 1977-1984, 2010.
5. Z.Peng, D.H. Wu, A partial parallel splitting augmented Lagrangian method for solving constrained matrix optimization problems, Comput. & Math. with Appl., 60: 1515 - 1524, 2010.
6. Z. Peng, D.H. Wu, An alternating projection method for nonlinear saddle point problems, Acta Math. Appl. Sin. 26 (5) (2010) 173-184.
7. Z.Peng, D.H.Wu, H.D. Zhang, A modified stochastic implementation of the level Value estimation method, Dyna. of Contin., Disc. Impul. B, 17: 543-552, 2010.
8. Z.Peng, D.H. Wu, A Modified Integral Global Optimization Method and Its Asymptotic Convergence, Acta Math. Applica. Sin., 25: 283-290, 2009.
9. Z.Peng, D.H.Wu, A Stochastic Level-Value Approximation for Quadratic Integer Convex Programming，App. Math. and Mech., 29: 801-809, 2008.
10. Z.Peng, D.H. Wu, On Mathematical Expectation of Level Value Approximating to Global Minimum of a Class Optimization Problem, OR Transactions, 12 (3): 121-128, 2008.
11. Z. Peng, D.H. Wu, W.W. Tian, A level-value estimation method for solving constrained global optimization, Math. Numer. Sin. 29 (3) (2007), 293-304 (In Chinese）
12. Zheng Peng, Wenxing Zhu, A partial inexact alternating direction method for structured variational inequalities, Optimization, 2014, 63(7):1043-1055
13. Z. Peng, D-H. Wu, Q. Zheng. A Level-Value Estimation Method and Stochastic implementation for Global Optimization. JOTA, (2013) 156: 493-523
14. Z. Peng, W- X. Zhu. An alternating directions method for Nash equilibrium of two-person games with alternating offers. JOTA, (2013) 157:533–551.
15. Y-J. Lu, W-P. Ding, Z. Peng. A Hybrid Splitting Method for Solving a Leader-Followers Game. Acta Math. Applica. Sin., (In Chinese) 2014 (6) :1042-1055.
16. Zheng Peng, Donghua Wu, Wenxing Zhu: The robust constant and its applications in random global search for unconstrained global optimization, Journal of Global Optimization, 2016, 64(3), 469-482.
17. Zheng Peng, Jianli Chen, Wenxing Zhu, A proximal alternating direction method of multipliers for a minimization problem with nonconvex constraints，Journal of Global Optimization, 2015,62(4), 711-728.

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