

Ming Tian

Professor

Jinbei Road 2898
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College of Science
Civil Aviation University of China
Tianjin, China, 300300



HIGHER EDUCATION

B.Sc.: September 1980-July 1984
Department of Mathematics,
Northeast Normal University
Changchun City, Jilin Province, China

M.Sc.: September 1987-April 1990
Shenyang institute of computing technology, Chinese academy of sciences
Shenyang City, Liaoning Province, China

Research interests

In general, my research interests is related to nonlinear analysis and optimization: theory, algorithms and applications. Set valued operators; monotone operators and generalizations; contraction type mappings; nonexpansive mappings; fixed-point theorems and iterative algorithm; variational inequalities problems; equilibrium problems; optimization problems.

EMPLOYMENT

Lecturer: May 1991-August 1997

Associate Professor: September 1997-September 2002, College of Science,
Liaoning Shihua University
Fushun city, Liaoning Province, China

Associate Professor: September 2002-November 2010, College of Science, Civil
Aviation University of China
Tianjin city, China

Professor: November 2010- , College of Science, Civil Aviation University of China
Tianjin city, China

HONORS

Reviewer for 《Mathematical Reviews》 (U.S.A)

Editor for 《Frontiers in Applied Mathematics and Statistics》 (Switzerland)

Highly Cited Paper (*ESI*: 2005-2015)

Ming Tian, A General Iterative Algorithm for Nonexpansive Mappings:in Hilbert Spaces, Nonlinear Analysis ,73(2010) 689-694 **Citations : 65**

TEACHING AWARD

Excellent Teacher, 2005/06 academic year, Civil Aviation University of China, Tianjin, China

The top ten teachers, 2014/15 academic year, Civil Aviation University of China, Tianjin, China

COURSES I HAVE TAUGHT

- Linear Algebra (B.Sc. course)
- Calculus (B.Sc. course)
- Mathematical Analysis(B.Sc.)
- Numerical Analysis (B.Sc.)
- Numerical method for differential equation (M.Sc.)
- Partial Differential Equation (M.Sc.)

STUDENTS UNDER SUPERVISION OF M.Tian

Current Students

Masters degree Students

- Bing-nan Jiang (China)
- Hui-fang Zhang (China)
- Si-Wen Jiao (China)
- Jun-Ying Gong (China)

Past Graduated Students

Masters degree Students

- Yun Cheng(China),Masters degree in mathematics, April 2009.
- Rong-Hua Zhang (China),Masters degree in mathematics, April 2009.
- Shuai Zhang (China),Masters degree in mathematics, April 2010
- Li-Nan Shi (China),Masters degree in mathematics, April 2010.
- Lan-Yun Di (China),Masters degree in mathematics, April 2011.

- Bin-Chao Deng (China), Masters degree in mathematics, April 2011.
- Lei Liu (China), Masters degree in mathematics, April 2013.
- Xin Jin (China), Masters degree in mathematics, April 2013.
- Min-Min Li (China), Masters degree in mathematics, April 2014.
- Li-Hua Huang (China), Masters degree in mathematics, April 2014.

CONFERENCE PRESENTATIONS

- International Conference on Nonlinear Analysis and Optimization: Theory, Algorithms and Applications in Science and Engineering, Tianjin, August 13-15, 2012. (report)
- International Conference on Analytic Mathematics and its Applications (ICAMA2013), August 1-4, 2013. Tianjin, China. (report)

Visitor Program

Visitor scholar: 2015.01.04 -2015.01.18 ,invited by Center for Fundamental Science, Kaohsiung Medical University ,Taiwan

REFEREE FOR JOURNALS

- Abstract and Applied Analysis
- Fixed Point Theory and Applications
- Journal of Applied Mathematics
- Nonlinear Analysis-Theory, Methods, and Applications
- Journal of Inequalities and Applications
- Applicable Analysis
- Nigerian Journal of Mathematical Society
- Acta Mathematica Scientia
- Optimization
- Journal of Global Optimization
- Applied Mathematics and Computation
- Computers and Mathematics with Applications
- Bulletin of the Malaysian Mathematical Sciences Society
- SpringerPlus
- Journal of Nonlinear and Convex Analysis
- Frontiers in Applied Mathematics and Statistics
- Applied Mathematics & Information Sciences
- DCDIS A, Mathematical Analysis
- WSEAS Transactions on Mathematics

SCHOLARLY PUBLICATIONS

• ARTICLE LIST OF PUBLICATIONS

1. Ming Tian, A General Iterative Algorithm for Nonexpansive Mappings in Hilbert Spaces, *Nonlinear Analysis*, 73(2010)689-694
2. Ming Tian, An application of hybrid steepest descent methods for equilibrium problems and strict pseudo-contractions in Hilbert spaces, *Journal of Inequalities and Applications*, Volume 2011, Article ID 173430, 15 pages doi:10.1155/2011/173430
3. Ming Tian and Xin Jin, Strong convergent result for quasi-nonexpansive mappings in Hilbert spaces, *Fixed Point Theory and Applications* 2011, 2011:88
4. Ming Tian and Lanyun Di, Synchronal algorithm and cyclic algorithm for fixed point problems and variational inequality problems in Hilbert spaces, *Fixed Point Theory and Applications* 2011, 2011:21
5. M Tian and X Jin, A general iterative method for quasinonexpansive mappings in Hilbert space, *Journal of Inequalities and Applications* 2012, 2012:38
6. Ming Tian and Min-Min Li, A Hybrid Gradient-Projection Algorithm for Averaged Mappings in Hilbert Spaces, *Journal of Applied Mathematics*, Volume 2012, Article ID 782960, 14 pages doi:10.1155/2012/782960
7. MING TIAN and LEI LIU, Iterative algorithms based on the viscosity approximation method for equilibrium and constrained convex minimization problem, *Fixed Point Theory and Applications* 2012, 2012:201
8. MING TIAN, STRONG CONVERGENCE OF GENERAL MODIFIED MANN ITERATIONS FOR STRICT PSEUDO-CONTRACTIONS IN HILBERT SPACES, *Fixed Point Theory*, 13(2012), No. 2, 651-658
9. MING TIAN and LEI LIU, A general iterative algorithm for equilibrium problems and strict pseudo-contractions in Hilbert spaces, *WSEAS TRANSACTIONS on MATHEMATICS*, Issue 12, Volume 10, December 2011
10. MING TIAN AND LI-HUA HUANG, ITERATIVE METHODS FOR CONSTRAINED CONVEX MINIMIZATION PROBLEM IN HILBERT SPACES, *Fixed Point Theory and Applications* 2013, 2013:105
11. Tian M, Lei Liu. A general iterative algorithm for finding a common solution of equilibrium and constrained convex minimization problems (in

Chinese). *Sci sin Math* , 2013, 43(4): 365-381

12. Ming Tian and Xin Jin, Implicit Iterative Scheme for a Countable Family of Nonexpansive Mappings in 2-Uniformly Smooth Banach Spaces, *Abstract and Applied Analysis*, Volume 2013, Article ID 264910,9 pages

13. MING TIAN and LIHUA HUANG, Regularized gradient-projection methods for equilibrium and constrained convex minimization problems, *Journal of Inequalities and Applications* 2013, 2013:243

14. MING TIAN, A General Iterative Scheme Based on Regularization for Solving Equilibrium and Constrained Convex Minimization Problems, *Abstract and Applied Analysis* Volume 2013, Article ID 583710, 11 pages

15. MING TIAN AND LI-HUA HUANG, Strong convergence of modified gradient-projection algorithm for constrained convex minimization problems, *WSEAS TRANSACTIONS on MATHEMATICS*, Issue 2, Volume 12, February 2013

16. Ming Tian and Min-Min Li, A General Iterative Method for Solving Constrained Convex Minimization Problems, *J Optim. Theory Appl.* (2014) 162:202-207 DOI 10.1007/s10957-013-0413-6

17. Ming Tian and Lei Liu, General iterative methods for equilibrium and constrained convex minimization problem, *Optimization*, 2014 Vol. 63, No. 9, 1367-1385

18. Ming Tian, General iterative scheme based on the regularization for solving a constrained convex minimization problem, *Journal of Inequalities and Applications* 2013, 2013:550

19 Ming Tian and Li-Hua Huang, A General Approximation Method for a Kind of Convex Optimization Problems in Hilbert Spaces, *Journal of Applied Mathematics*, Volume 2014, Article ID 156073,9 pages
<http://dx.doi.org/10.1155/2014/156073>

20. Ming Tian and Min-Min Li, A General Iterative Method for Constrained Convex Minimization Problems in Hilbert Spaces, *WSEAS TRANSACTIONS on MATHEMATICS*, VOLUME 13,2014,271-281

21 Ming Tian and Siwen Jiao, A regularization algorithm for a common solution of generalized equilibrium problem, fixed point problem and the zero points of

the sum of two operators, *Fixed Point Theory and Applications*,(2015),2015:11

22. Ming Tian and Siwen Jiao, Methods for solving constrained convex minimization problems and finding zeros of the sum of two operators in Hilbert spaces, *Journal of Inequalities and Applications*, (2015),2015:227

23. Ming Tian and Siwen Jiao, A regularization algorithm for a common solution of generalized equilibrium problem, fixed point problem and the zero points of the sum of two operators, *Journal of Inequalities and Applications* , (2015),2015:311

24.Ming Tian and Junying Gong, Strong convergence of a modified proximal algorithm for solving the lasso, *Journal of Inequalities and Applications*, (2015),2015:161

• **BOOK OF PUBLICATIONS**

Deputy Editor-in-chief, *Advanced Mathematics Analysis Course*, Northeastern University Press, shengyang,1997