Curriculum Vitae

Jen-Chih Yao

Degree: Ph.D., Department of Operations Research, Stanford University, 1990
Master, Graduate School of Mathematics, National Taiwan Normal University University, 1983
Bachelor, National Taiwan Normal University, 1981

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Employment:
Chair Professor, Center for General Education, China Medical University, February 1, 2015–present
Chair Professor, Center for Fundamental Science, Kaohsiung Medical University, January 1, 2014–January 31, 2015
Visiting Chair Professor, Tianjin Polytechnic University, Tianjin, September 2013–present
Panel member in Mathematics Division, National Science Council, January 1, 2011 -December 31, 2013
Professor, Center for Fundamental Science, Kaohsiung Medical University, February 1, 2011–present
Professor, Department of Applied Mathematics, February 1993- January 31, 2011

Dean of College of Science, National Sun Yat-sen University, August 2004-January 2008
Chairman of the Department of Applied Mathematics, National Sun Yat-sen University, August 1, 1997-July 31, 2000.
Panel member in Mathematics Division, National Science Council, January 1, 1998 -December 31, 2000
Associate Professor, Department of Applied Mathematics, August 1991-February 1993
Associate Professor, Department of Industrial Engineering, Yuan Ze University, August 1990-July 1991.

Honors and Awards:
1990-1999: Research Awards (Class A) from Taiwan National Science Council
1992: Young Faculty Research Award of Sciences, National Sun Yat-sen University
1993: Outstanding Award of Research, National Sun Yat-sen University
2003: Excellence Award of Research, National Sun Yat-sen University
2010: Rising Star (September 2010 in Mathematics), ESI (Essential Science Indicators) from Thomson Reuters
2011; Rank 42 out of 1178 in the SCIENTIST RANKING IN MATHEMATICS (July)
2011: Outstanding Contribution Award, The Mathematical Society of the Republic of China
2013: Highly Cited Researcher (Preliminary List), Thomson Reuters (http://www.highlycited.com)
2014: Highly Cited Researcher, Thomson Reuters (http://www.highlycited.com)

Editorial Boards:
Taiwanese Journal of Mathematics
Taiwanese Journal of Mathematics, Editor-in-Chief, January 2007-December 31, 2010
Journal of Optimization Theory and Applications
Journal of Nonlinear and Convex Analysis
Fixed Point Theory
Applicable Analysis
Journal of Inequalities and Applications
Advances in Decision Sciences
International Journal of Operations Research
International Journal of Differential Equations
Journal of Advanced Mathematical Studies
Journal of Global Optimization (Guest Editor)
Optimization (Guest Editor)
Fixed Point Theory and Applications (Guest Editor)

Area of Research Interest:

Vector optimization
Fixed point theory
Variational inequalities
Complementarity problems
Variational analysis
Equilibrium problems
Optimal control
Generalized convexity and generalized monotonicity

Referees:
SIAM Journal on Optimization, SIAM Journal on Matrix Analysis and Applications, Mathematics of Operations Research, Optimization, Journal of Optimization Theory and Applications, Journal of Mathematical Analysis and Applications, Journal of Global Optimization, Nonlinear Analysis, Computers and Mathematics with Applications, Mathematical Methods of Operations Research, Applied Mathematics Letters, Taiwanese Journal of Mathematics, Journal of Industrial Management and Optimization, Fixed Point Theory, Journal of Inequalities and Applications, Fixed Point Theory and Applications, Mathematical Review, Communication on Pure and Applied Analysis, European Journal of Operational Research, Central European Journal of Mathematics, Pacific Journal of Optimization, Journal of Nonlinear and Convex Analysis, Bulletin of the Australian Mathematical Society, Mathematical and Computer Modelling, Optimization Methods and Software, Journal of Computational and Applied Mathematics, Computation and Applied Mathematics, Journal of the Korean Mathematical Society, Applied Mathematics and Mechanics, Acta Mathematica Sinica, English Series, Numerical Functional Analysis and Optimization, Applicable Analysis, Advances in Nonlinear Variational Inequalities, Mathematical Modelling and Analysis, Bulletin of the Korean Mathematical Society, International journal of Optimization: Theory, Methods and Applications, Carpathian Journal of Mathematics, Journal of Systems Science and Complexity, Acta Mathematica Scientia

Books Edited

1. Regina S. Burachik and Jen-Chih Yao, Variational Analysis and Generalized Differentiation in Optimization and Control In Honor of Boris S. Mordukhovich, Springer Optimization and Its Applications, Vol. 47, 231 pp. Hardcover, ISBN 978-1-4419-0436-2, 2010.

2. Q. H. Ansari and Jen-Chih Yao, Recent Developments in Vector Optimization, Vector Optimization Series, Vol. 1, 551 pp. Hardcover, ISBN 978-3-642-21113-3, 2011.

Publication

1. J. C. Yao, The generalized quasi-variational inequality problem with applications, Journal of Mathematical Analysis and Applications, 158, 139-160, 1991.

2. J. C. Yao, A basic theorem of complementarity for the generalized variational-like inequality problem, Journal of Mathematical Analysis and Applications, 158, 124-138, 1991.

3. J. C. Yao, Applications of variational inequalities to nonlinear analysis, Applied Mathematics Letters, 4(4), 89-92, 1991.

4. J. C. Yao, Variational inequality, Applied Mathematics Letters, 5(1), 39-42, 1992.

5. J. C. Yao, General variational inequalities in Banach spaces, Applied Mathematics Letters, 5(1), 51-54, 1992.

6. J. S. Guo and J. C. Yao, Zeros of operators in Banach spaces, Applied Mathematics Letters, 5(1), 55-57, 1992.

7. J. C. Yao, Nonlinear inequalities in Banach spaces, Computers and Mathematics with Applications, 23, 95-98, 1992.

8. J. C. Yao, The unification of the calculus of variations and the theory of nonlinear operators in Banach spaces, Applied Mathematics Letters, 5(3), 81-84, 1992.

9. J. S. Guo and J. C. Yao, Extension of strongly nonlinear quasivariational inequalityies, Applied Mathematics Letters, 5(3), 35-38, 1992.

10. J. C. Yao, Nash equilibria in N-person games without convexity, Applied Mathematics Letters, 5(5), 67-69, 1992.

11. T. C. Huang and J. C. Yao, On surjectivity of operators in Banach spaces, Applied Mathematics Letters, 5(5), 81-85, 1992.

12. R. W. Cottle and J. C. Yao, Pseudo-monotone complementarity problems in Hilbert spaces, Journal of Optimization Theory and Applications, 75(2), 281-296, 1992.

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17. C. R. Jou and J. C. Yao, Algorithm for generalized multivalued variational inequalities in Hilbert spaces, Computers and Mathematics with Applications, 25(9), 7-16, 1993.

18. C. R. Jou and J. C. Yao, Extension of generalized variational inequalities, Applied Mathematics Letters, 6, 21-25, 1993.

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20. J. C. Yao and J. S. Guo, Variational and generalized variational inequalities with discontinuous mappings, Journal of Mathematical Analysis and Applications, 182, 371-392, 1994.

21. J. C. Yao, Existence of generalized variational inequalities, Operations Research Letters, 15, 35-40, 1994.

22. J. C. Yao, Variational inequalities with generalized monotone operators, Mathematics of Operations Research, 19, 691-705, 1994.

23. J. S. Pang and J. C. Yao, On the generalizaton of a normal map and equation, SIAM journal on Control and optimization, 33(1), 168-184, 1994.

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