Curriculum Vitae

(updated on April 24, 2025)

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Education

University of Washington, Ph.D.	09/1998-06/2004
University of California, Los Angeles, Ph.D program	09/1997-04/1998
National Taiwan Normal University, M.Sc.	09/1990-06/1993
National Taiwan Normal University, B.Sc.	09/1985-06/1990

Academic Experiences

- Panel Chair, Grants of Mathematics and Science, MOE Teaching Practice Research Program, Ministry of Education, Taiwan, 01/2025 12/2026.
- Dean, College of Science, National Taiwan Normal University, 08/2022 07/2028.
- Panel Member, Grants of Mathematics and Science, MOE Teaching Practice Research Program, Ministry of Education, Taiwan, 01/2022 12/2024.
- Scientific Member, Mathematics Division, National Center for Theoretical Sciences, Taiwan, 01/2018 12/2020.
- Visiting Scholar, School of Mathematical Sciences, University of Southampton, UK, 07/2017 08/2017 and 07/2018.
- Chairman, Department of Mathematics, National Taiwan Normal University, 08/2013
 07/2017.
- Visiting Scholar, Department of Mathematics, University of Würzburg, Germany, 08/2013 10/2013.
- Distinguished Professor, Department of Mathematics, National Taiwan Normal University, 01/2012 12/2017 and 01/2022 12/2027.
- Professor, Department of Mathematics, National Taiwan Normal University, since 02/2012.
- Panel Member, Mathematics Research Promotion Center, National Science Council of Taiwan, 01/2009 12/2011.

- Visiting Scholar, Department of Mathematics, University of Washington, USA, 06/2008 09/2008.
- Associate Professor, Department of Mathematics, National Taiwan Normal University, 08/2007 01/2012.
- Assistant Professor, Department of Mathematics, National Taiwan Normal University, 08/2004 07/2007.

Awards and Recognitions

- Distinguished Alumni, Jhong Jhou Primary School, Tainan (03/2021).
- Distinguished Alumni, Kang Ming Senior High School, Tainan (10/2018).
- Distinguished Professor, National Taiwan Normal University (2012-2017, 2022-2027).
- Award of Salary Promotion for Excellent Researcher, National Taiwan Normal University (2010-2025).
- Excellent Researcher Award, College of Science, National Taiwan Normal University (2009-2014).

Research Interests

• Continuous Optimization, Nonsmooth Analysis, Operations Research.

Monographs

- 1. J.-S. Chen, *SOC Functions and Their Applications*, Springer Optimization and Its Applications 143, Springer Nature, Singapore, 2019.
- 2. J.-S. Chen, *Complementarity Functions in Optimization*, Springer Optimization and Its Applications (forthcoming), Springer Nature, Switzerland, 2025.

Journal papers (ORCID: 0000-0002-4596-9419)

- 1. Y.-L. Chang, J.-S. Chen, C.-C. Hu, W.-C. Hu, and C.-Y. Yang, Mean inequalities associated with circular cones, to appear in *Pacific Journal of Optimization*, 2025.
- L.T. Nguyen, Y.-L. Chang, C.-C. Hu, and J.-S. Chen, Optimality and KKT conditions for interval valued optimization problems on Hadamard manifolds, to appear in *Optimization*, DOI: 10.1080/02331934.2024.2375424, 2025.
- 3. Y. Lu, H.-M. Ma, D.-Y. Xue, and J.-S. Chen, Augmented Lagrangian method for nonlinear circular conic programs: a local convergence analysis, to appear in *Optimization*, DOI: 10.1080/02331934.2024.2370426, 2025.

- 4. J.H. Alcantara, C.T. Nguyen, T. Okuno, A. Takeda, and J.-S. Chen, Unified smoothing approach for best hyperparameter selection problem using a bilevel optimization strategy, to appear in *Mathematical Programming*, DOI: 10.1007/s10107-024-02113-z, 2025.
- 5. C.-Y. Yang, Y.-L. Chang, C.-C. Hu, and J.-S. Chen, Novel constructions for closed convex cones through inequalities and support functions, *Journal of Optimization Theory and Applications*, vol. 205, no. 3, Article 57, 2025.
- 6. V.M. Tam, J.-S. Chen, J.-L. Chern, and A. Takeda, A fractional-order dynamical approach to vector equilibrium problems with partial order induced by a polyhedral cone, *Journal of Nonlinear and Variational Analysis*, vol. 9, no. 3, pp. 435-459, 2025.
- C.T. Nguyen, J.H. Alcantara, Z. Hao, and J.-S. Chen, Smoothing penalty approach for solving second-order cone complementarity problems, *Journal of Global Optimization*, vol. 91, no. 1, pp. 39-58, 2025.
- 8. X. Chi, Y. Yang, and J.-S. Chen, Complexity analysis of a predictor-corrector interior-point algorithm for $P_*(\kappa)$ -weighted linear complementarity problems, *Journal of Industrial and Management Optimization*, vol. 21, no. 1, pp. 731-750, 2025.
- 9. V.M. Tam and J.-S. Chen, An inverse problem for a class of quasi-hemivariational inequalities on constant curvature Hadamard manifolds, *Journal of Nonlinear and Convex Analysis*, vol. 25, no. 12, pp. 2959-2973, 2024.
- 10. J. Sun, D. Jia, L. Wang, H. Zhuang, and J.-S. Chen, The second-order differential equation method for solving SOCCVI problem, *Journal of Nonlinear and Convex Analysis*, vol. 25, no. 11, pp. 2745-2765, 2024.
- 11. V.M. Tam and J.-S. Chen, On the D-gap functions for variational-hemivariational inequalities with an application to contact mechanics, *Pacific Journal of Optimiza*tion, vol. 20, no. 3, pp. 489-512, 2024.
- V.M. Tam and J.-S. Chen, Hölder continuity and upper bound results for generalized parametric elliptical variational-hemivariational inequalities, *Journal of Nonlinear and Variational Analysis*, vol. 8, no. 2, pp. 315-332, 2024.
- 13. V.M. Tam and J.-S. Chen, Upper bounds for vector equilibrium problems associated with a *p*-order cone on Hadamard manifolds, *Journal of Nonlinear and Convex Analysis*, vol. 24, no. 12, pp. 2593-2609, 2023.
- V.M. Tam and J.-S. Chen, Upper error bounds of DG-functions for history-dependent variational-hemivariational inequalities, *Applied Set-Valued Analysis and Optimiza*tion, vol. 5, no. 3, pp. 347-367, 2023.
- L.T. Nguyen, Y.-L. Chang, C.-C. Hu, and J.-S. Chen, Interval optimization problems on Hadamard manifolds, *Journal of Nonlinear and Convex Analysis*, vol. 24, no. 11, pp. 2489-2511, 2023.
- J.-Y. Tang, J.-C. Zhou, J.H. Alcantara, and J.-S. Chen, A family of smooth NCP functions and an inexact Levenberg-Marquardt method for nonlinear complementarity problems, *Journal of Nonlinear and Convex Analysis*, vol. 24, no. 11, pp. 2361-2385, 2023.

- 17. Y. Lu, H.-M. Ma, D.-Y. Xue, and J.-S. Chen, Absolute value equations with data uncertainty in the l_1 and l_{∞} norm balls, *Journal of Nonlinear and Variational Analysis*, vol. 7, no. 4, pp. 549-561, 2023.
- Y.-L. Chang, C.-Y. Yang, C.T. Nguyen, and J.-S. Chen, Novel constructions of complementarity functions associated with symmetric cones, *Journal of Nonlinear* and Convex Analysis, vol. 24, no. 3, pp. 575-606, 2023.
- 19. J.H. Alcantara, J.-S. Chen, and Matthew K. Tam, Method of alternating projections for the general absolute value equation, *Journal of Fixed Point Theory and Applications*, vol. 25, no. 1, Article 39, 2023.
- Y.-L. Chang, C.-C. Hu, C.-Y. Yang, and J.-S. Chen, Hadamard product on quaternion Hermitian matrices, *Linear and Nonlinear Analysis*, vol. 8, no. 3, pp. 265-275, 2022.
- 21. C. Wu, X. Chen, Q. Jin, and J.-S. Chen, Applying smoothing technique and semiproximal ADMM for image deblurring, *Calcolo*, vol. 59, no. 4, Article 40, 2022.
- 22. S.-W. Li, Y.-L. Chang, and J.-S. Chen, Plane section curves on surfaces of NCP functions, *Axioms*, vol. 11, no. 10, Article 557, 2022.
- 23. J. Shen, J.-S. Chen, H.-D. Qi, and N. Xiu, A penalized method of alternating projections for weighted low-rank Hankel matrix optimization, *Mathematical Programming Computation*, vol. 14, no. 3, pp. 417-450, 2022.
- Z. Hao, C.T. Nguyen, and J.-S. Chen, An approximate lower order penalty approach for solving second-order cone linear complementarity problems, *Journal of Global Optimization*, vol. 83, no. 4, pp. 671-697, 2022.
- 25. J.H. Alcantara and J.-S. Chen, A new class of neural networks for NCPs using smooth perturbations of the natural residual function, *Journal of Computational and Applied Mathematics*, vol. 407, June, Article 114092, 2022.
- X.-H. Miao, K. Yao, C.-Y. Yang, and J.-S. Chen, Levenberg-Marquardt method for absolute value equation associated with second-order cone, *Numerical Algebra*, *Control and Optimization*, vol. 12, no. 1, pp. 47-61, 2022.
- 27. X.-H. Miao and J.-S. Chen, A semi-distance and proximal distance associated with symmetric cone, *Journal of Nonlinear and Convex Analysis*, vol. 23, no. 2, pp. 241-250, 2022.
- W.-M. Hsu, X.-H. Miao, and J.-S. Chen, The solvabilities of eigenvalue optimization problems associated with *p*-order cone and circular cone, *Linear and Nonlinear Analysis*, vol. 7, no. 3, pp. 337-353, 2021.
- 29. Y.-L. Chang, C.-C. Hu, C.-Y. Yang, and J.-S. Chen, Characterizations of boundary conditions on some non-symmetric cones, *Numerical Functional Analysis and Optimization*, vol. 42, no. 13, pp. 1572-1585, 2021.
- J.-H. Sun, W.-C. Fu, J.H. Alcantara, and J.-S. Chen, A neural network based on the metric projector for solving SOCCVI problem, *IEEE Transactions on Neural Networks and Learning Systems*, vol. 32, no. 7, pp. 2886-2900, 2021.
- X.-H. Miao, W.-M. Hsu, C.T. Nguyen, and J.-S. Chen, The solvabilities of three optimization problems associated with second-order cone, *Journal of Nonlinear* and Convex Analysis, vol. 22, no. 5, pp. 937-967, 2021.

- 32. C. Wu, J. Wang, J.H. Alcantara, and J.-S. Chen, Smoothing strategy along with conjugate gradient algorithm for signal reconstruction, *Journal of Scientific Computing*, vol. 87, no. 1, Article 21, 2021.
- 33. X.-H. Miao and J.-S. Chen, On matrix characterizations for *P*-property of the linear transformation in second-order cone linear complementarity problems, *Linear Algebra and Its Applications*, vol. 613, March, pp. 271-294, 2021.
- 34. C.-H. Lee, C.-C. Hu, and J.-S. Chen, Using invertible functions to construct NCP functions, *Linear and Nonlinear Analysis*, vol. 6, no. 3, pp. 347-369, 2020.
- X.-H. Miao. Y. Lu, and J.-S. Chen, Construction of merit functions for ellipsoidal cone complementarity problem, *Pacific Journal of Optimization*, vol. 16, no. 4, pp. 547-565, 2020.
- J.H. Alcantara and J.-S. Chen, A novel generalization of the natural residual function and a neural network approach for the NCP, *Neurocomputing*, vol. 413, pp. 368-382, 2020.
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- Y. Lu and J.-S. Chen, Smooth analysis on cone function associated with ellipsoidal cone, *Journal of Nonlinear and Convex Analysis*, vol. 21, no. 6, pp. 1327-1347, 2020.
- J.H. Alcantara, C.-H. Lee, C.T. Nguyen, Y.-L. Chang, and J.-S. Chen, On construction of new NCP functions, *Operations Research Letters*, vol. 48, no. 2, pp. 115-121, 2020.
- 40. Y. Lu, C.-Y. Yang, J.-S. Chen, and H.-D. Qi, The decompositions of two core non-symmetric cones, *Journal of Global Optimization*, vol. 76, no. 1, pp. 155-188, 2020.
- C.-H. Huang, J.-S. Chen, and C.-C. Hu, The Schatten p-norm on IRⁿ, Journal of Nonlinear and Convex Analysis, vol. 21, no. 1, pp. 21-29, 2020.
- 42. X.-H. Miao, C.-H. Huang, Y. Lim, and J.-S. Chen, A semi-distance associated with symmetric cone and a new proximal distance function on second-order cone, *Linear and Nonlinear Analysis*, vol. 5, no. 3, pp. 421-437, 2019.
- 43. J.-S. Chen, J. Ye, J. Zhang, and J.-C. Zhou, Exact formula for the second-order tangent set of the second-order cone complementarity set, *SIAM Journal on Optimization*, vol. 29, no. 4, pp. 2986-3011, 2019.
- 44. C. Wu, J. Zhan, Y. Lu, and J.-S. Chen, Signal reconstruction by conjugate gradient algorithm based on smoothing l_1 -norm, *Calcolo*, vol. 56, no. 4, Article 42, 26 pages, December, 2019.
- 45. C.-H. Huang, Y.-L. Chang, and J.-S. Chen, Some inequalities on weighted means and trace associated with second-order cone, *Linear and Nonlinear Analysis*, vol. 5, no. 2, pp. 221-236, 2019.
- 46. C.-H. Huang, Y.-H. Hsiao, Y.-L. Chang, and J.-S. Chen, On Young Inequality under Euclidean Jordan Algebra, *Linear and Nonlinear Analysis*, vol. 5, no. 1, pp. 13-31, 2019.

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- 48. J.H. Alcantara and J.-S. Chen, Neural networks based on three classes of NCPfunctions for solving nonlinear complementarity problems, *Neurocomputing*, vol. 359, September, pp. 102-113, 2019.
- 49. Y. Lu and J.-S. Chen, The variational geometry, projection expression and decomposition associated with ellipsoidal cones, *Journal of Nonlinear and Convex Analysis*, vol. 20, no. 4, pp. 715-738, 2019.
- Y. Lu, J.-S. Chen, and N. Zhang, No gap second-order optimality conditions for circular conic programs, *Numerical Functional Analysis and Optimization*, vol. 40, no. 10, pp. 1113-1135, 2019.
- 51. C.-H. Huang and J.-S. Chen, On unitary elements defined on Lorentz cone and their applications, *Linear Algebra and Its Applications*, vol. 565, March, pp. 1-24, 2019.
- C.-H. Huang, K.-J. Weng, J.-S. Chen, H.-W. Chu, and M.-Y. Li, On four discretetype families of NCP-functions, *Journal of Nonlinear and Convex Analysis*, vol. 20, no. 2, pp. 283-306, 2019.
- 53. C.-H. Huang, J.-S. Chen, and C.-C. Hu, Trace versions of Young inequality and its applications, *Journal of Nonlinear and Convex Analysis*, vol. 20, no. 2, pp. 215-228, 2019.
- 54. X.-H. Miao, N. Qi, B. Saheya, and J.-S. Chen, Applying a type of SOC-functions to solve a system of equalities and inequalities under the order induced by second-order cone, *Pacific Journal of Optimization*, vol. 15, no. 1, pp. 1-22, 2019.
- 55. J.-H. Sun, X.-R. Wu, B. Saheya, J.-S. Chen, and C.-H. Ko, Neural network for solving SOCQP and SOCCVI based on two discrete-type classes of SOC complementarity functions, *Mathematical Problems in Engineering*, vol. 2019, Article ID 4545064, 18 pages, 2019.
- C.T. Nguyen, B. Saheya, Y.-L. Chang, and J.-S. Chen, Unified smoothing functions for absolute value equation associated with second-order cone, *Applied Numerical Mathematics*, vol. 135, January, pp. 206-227, 2019.
- M.-Y. Li, C.-Y. Yang, X.-H. Miao, and J.-S. Chen, Characterizations of solution sets for two nonsymmetric cone programs, *Linear and Nonlinear Analysis*, vol. 4, no. 3, pp. 325-339, 2018.
- 58. P.-F. Ma, J.-S. Chen, C.-H. Huang, and C.-H. Ko, Discovery of new complementarity functions for NCP and SOCCP, *Computational and Applied Mathematics*, vol. 37, no. 5, pp. 5727-5749, 2018.
- 59. Y.-L. Chang, C.-H. Huang, J.-S. Chen, and C.-C. Hu, Some inequalities for means defined on the Lorentz cone, *Mathematical Inequalities and Applications*, vol. 21, no. 4, pp. 1015-1028, 2018.
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- X.-H. Miao, Y. Lu, and J.-S. Chen, From symmetric cone optimization to nonsymmetric cone optimization: Spectral decomposition, nonsmooth analysis, and projections onto nonsymmetric cones, *Pacific Journal of Optimization*, vol. 14, no. 3, pp. 399-419, 2018.
- 62. W.-Z. Gu, W.-P. Chen, C.-H. Ko, Y.-J. Lee, and J.-S. Chen, Two smooth support vector machines for ε-insensitive regression, Computational Optimization and Applications, vol. 70, no.1, pp. 171-199, 2018.
- 63. B. Saheya, C.-H. Yu, and J.-S. Chen, Numerical comparisons based on four smoothing functions for absolute value equation, *Journal of Applied Mathematics and Computing*, vol. 56, no. 1-2, pp. 131-149, 2018.
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- X.-H. Miao, J.-T. Yang, B. Saheya, and J.-S. Chen, A smoothing Newton method for absolute value equation associated with second-order cone, *Applied Numerical Mathematics*, vol. 120, October, pp. 82-96, 2017.
- X.-H. Miao, N. Qi, and J.-S. Chen, Projection formula and one type of spectral factorization associated with *p*-order cone, *Journal of Nonlinear and Convex Analysis*, vol. 18, no. 9, pp. 1699-1705, 2017.
- J.-C. Zhou and J.-S. Chen, Monotonicity and circular cone monotonicity associated with circular cones, *Set-Valued and Variational Analysis*, vol. 25, no. 2, pp. 211-232, 2017.
- X.-H. Miao, Y.-C. Lin, and J.-S. Chen, A note on the paper "The algebraic structure of the arbitrary-order cone", *Journal of Optimization Theory and Applications*, vol. 173, no. 3, pp. 1066-1070, 2017.
- X.-H. Miao, Y.-L. Chang, and J.-S. Chen, On merit functions for p-order cone complementarity problem, *Computational Optimization and Applications*, vol. 67, no. 1, pp. 155-173, 2017.
- J.-C. Zhou, J.-Y. Tang, and J.-S. Chen, Parabolic second-order directional differentiability in the Hadamard sense of the vector-valued functions associated with circular cones, *Journal of Optimization Theory and Applications*, vol. 172, no. 3, pp. 802-823, 2017.
- C.-H. Huang, J.-S. Chen, and J. E. Martinez-Legaz, Differentiability v.s. convexity of complementarity functions, *Optimization Letters*, vol. 11, no. 1, pp. 209-216, 2017.
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- 73. X.-H. Miao, Y.-C. Lin, and J.-S. Chen, An alternative approach for a distance inequality associated with the second-order cone and the circular cone, *Journal of Inequalities and Applications*, vol. 2016, Article ID 291, 10 pages, 2016.
- 74. X.-H. Miao, J.-S. Chen, and C.-H. Ko, A neural network based on the generalized FB function for nonlinear convex programs with second-order cone constraints, *Neurocomputing*, vol. 203, August, pp. 62-72, 2016.

- Y.-L. Chang, J.-S. Chen, and S.-H. Pan, Symmetric cone monotone functions and symmetric cone convex functions, *Journal of Nonlinear and Convex Analysis*, vol. 17, no. 3, pp. 499-512, 2016.
- X.-H. Miao, S.-J. Guo, N. Qi, and J.-S. Chen, Constructions of complementarity functions and merit functions for circular cone complementarity problem, *Compu*tational Optimization and Applications, vol. 63, no. 2, pp. 495-522, 2016.
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- 85. J.-C. Zhou, J.-S. Chen, and B. S. Mordukhovich, Variational analysis of circular cone programs, *Optimization*, vol. 64, no. 1, pp. 113-147, 2015.
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- H.-Y. Tsai and J.-S. Chen, Geometric views of the generalized Fischer-Burmeister function and its induced merit function, *Applied Mathematics and Computation*, vol. 237, June 15, pp. 31-59, 2014.
- 88. X.-H. Miao, J.-S. Chen, and C.-H. Ko, A smoothed NR neural network for solving nonlinear convex programs with second-order cone constraints, *Information Sciences*, vol. 268, June, pp. 255-270, 2014.
- S.-H. Pan, S. Kum, Y. Lim, and J.-S. Chen, On the generalized Fischer-Burmeister merit function for the second-order cone complementarity problem, *Mathematics* of Computation, vol. 83, no. 287, pp. 1143-1171, 2014.

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- X.-H. Miao and J.-S. Chen, Error bounds for symmetric cone complementarity problems, Numerical Algebra, Control and Optimization, vol. 3, no. 4, pp. 627-641, 2013.
- 92. C.-H. Ko and J.-S. Chen, Optimal grasping manipulation for multifingered robots using semismooth Newton method, *Mathematical Problems in Engineering*, vol. 2013, Article ID 681710, 9 pages, 2013.
- 93. J.-C. Zhou and J.-S. Chen, Properties of circular cone and spectral factorization associated with circular cone, *Journal of Nonlinear and Convex Analysis*, vol. 14, no. 4, pp. 807-816, 2013.
- 94. Y.-L. Chang, J.-S. Chen, and W.-Z. Gu, On the *H*-differentiability of Löwner function with application in symmetric cone complementarity problem, *Journal of Nonlinear and Convex Analysis*, vol. 14, no. 2, pp. 231-243, 2013.
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- 98. Y.-L. Chang and J.-S. Chen, Convexity of symmetric cone trace functions in Euclidean Jordan algebras, *Journal of Nonlinear Analysis and Convex Analysis*, vol. 14, no. 1, pp. 53-61, 2013.
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- 100. J.-C. Zhou, N.-H. Xiu, and J.-S. Chen, Solution properties and error bounds for semi-infinite complementarity problems, *Journal of Industrial and Management Optimization*, vol. 9, no. 1, pp. 99-115, 2013.
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- 106. J. Wu and J.-S. Chen, A proximal point algorithm for the monotone secondorder cone complementarity problem, *Computational Optimization and Applications*, vol. 51, no. 3, pp. 1037-1063, 2012.
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- 108. Y.-L. Chang and J.-S. Chen, The Holder continuity of vector-valued functions associated with second-order cone, *Pacific Journal of Optimization*, vol. 8, no. 1, pp. 135-141, 2012.
- 109. J.-S. Chen and S.-H. Pan, A survey on SOC complementarity functions and solution methods for SOCPs and SOCCPs, *Pacific Journal of Optimization*, vol. 8, no. 1, pp. 33-74, 2012.
- 110. S.-J. Bi, S.-H. Pan, and J.-S. Chen, The same growth of FB and NR symmetric cone complementarity functions, *Optimization Letters*, vol. 6, no. 1, pp. 153-162, 2012.
- 111. S.-J. Bi, S.-H. Pan, and J.-S. Chen, Nonsingular conditions for the Fischer-Burmeister system of nonlinear SDPs, *SIAM Journal on Optimization*, vol. 21, no. 4, pp. 1392-2011, 2011.
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- 157. J.-S. Chen, Alternative proofs for some results of vector-valued functions associated with second-order cone, *Journal of Nonlinear and Convex Analysis*, vol. 6, no. 2, pp. 297-325, 2005.
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Conference/Workshop Talks

- 1. The 2nd International Conference of Interdisciplinary Research and Studies in Mathematics, Universitas Negeri Surabaya, Surabaya, Indonesia, July 19, 2025. (Keynote speaker)
- 2. Spring School and Workshop on Variational Analysis and Optimization 2025, Vietnam Institute for Advanced Study in Mathematics (VIASM), Hanoi, Vietnam, March 10-15, 2025. (Invited speaker)
- 3. Workshop on Advances in Continuous Optimization 2024, Center for Advanced Intelligence Project, RIKEN, Tokyo, Japan, November 25-26, 2024. (Invited speaker)
- 4. International Conference on Science and Computing (ICSC 2024), Cebu Normal University, Cebu, Philippines, October 28-30, 2024. (Keynote speaker)
- 5. Workshop on Optimization Theory with Applications, Department of Applied Mathematics, National Chiayi University, Chiayi, Taiwan, October 19, 2024. (Invited speaker)
- 6. The 5th International Congress on Natural Sciences with Sisterhood Universities (ICNS 2024), Niigata University, Niigata, Japan, September 26-28, 2024. (Keynote speaker)
- 7. The 5th Central and Central Highlands Mathematics Conference, University of Khanh Hoa, Nha Trang City, Vietnam, August 23-25, 2024. (Invited speaker)
- 8. The 26th International Symposium on Mathematical Programming (ISMP 2024), Montreal Convention Center, Montreal, Canada, July 21-26, 2024.
- 9. 2024 International Workshop on Optimization Theory, Northeast Normal University, Changchun, China, May 4-5, 2024. (Invited speaker, online talk)
- 10. Workshop on Advances in Continuous Optimization 2023, The University of Tokyo, Tokyo, Japan, July 24-25, 2023. (Invited speaker)
- 11. The 50th Annual Convention of Mathematical Society of the Philippines (MSP), Ateneo de Manila University, Quezon City, Philippines, June 1-4, 2023. (Plenary speaker)
- 12. International Conference on Matrix Theory with Applications to Combinatorics, Optimization and Data Science (ICMTA 2022), Jeju Island, Korea, December 1-5, 2022. (Plenary speaker)
- 13. Data Science, Statistics & Visualisation 2022 (DSSV 2022), National Cheng Kung University, Tainan, Taiwan, June 27-29, 2022. (Invited speaker)
- 14. A workshop on Nonlinear Functional Analysis and Its Applications in memory of Professor Ronald E. Bruck, Department of Mathematics, The Technion - Israel Institute of Technology, Haifa, Israel, April 4-6, 2022. (Invited speaker, online talk)
- 15. The 18th EUROPT Workshop on Advances in Continuous Optimization (EU-ROPT 2021), Toulouse, France, July 7-9, 2021. (online talk)

- 16. International Forum on the Frontier Development of System Management Discipline, University of Shanghai for Science and Technology, Shanghai, China, December 22, 2020. (Invited speaker, online talk)
- 17. 2020 Annual Meeting of Taiwanese Mathematics Society, Department of Mathematics, Fu-Jen Catholic University, New Taipei City, Taiwan, December 5-6, 2020. (Invited speaker)
- 18. Shanghai University Leagues Forum for International Young Scholars, Shanghai, China, November 8, 2020. (Invited speaker, online talk)
- 2019 Annual Meeting of Taiwanese Mathematics Society, Department of Applied Mathematics, National Chung Hsing University, Taichung, Taiwan, December 7-8, 2019. (Invited speaker)
- 20. International Conference on Nonlinear Analysis and Convex Analysis and International Conference on Optimization: Techniques and Applications (NACA-ICOTA2019), Hakodate, Japan, August 26–31, 2019. (Distinguished Lecture)
- 21. The 3rd International Conference on Science and Science Education (3rd IConSSE 2019), Universitas Kristen Satya Wacana, Indonesia, June 20-21, 2019. (Keynote speaker)
- 22. The 8th International Congress of Chinese Mathematicians (ICCM 2019), Tsinghua University, Beijing, China, June 9-14, 2019. (Invited speaker)
- 23. Advances in the Geometric and Analytic Theory of Convex Cones, Jeju Island, Korea, May 27-31, 2019. (Invited speaker)
- 24. International Conference on Matrix Theory and Applications (2019 ICMTA): Combinatorics, Optimization, Data Sciences, Jeju National University, Korea, May 23-27, 2019. (Invited speaker)
- 25. International Conference on Optimization under Risk in the Era of Big Data(ICOR 2019), Business School, Central South University, Changsha, China, May 12-13, 2019. (Keynote speaker)
- 26. International Workshop on Variational Analysis and Related Topics, Hanoi Pedagogical University 2, Vinh Phuc, Vietnam, December 13-15, 2018. (Invited speaker)
- 27. The Sixth Conference on Nonlinear Analysis and Optimization (NAO2018), Onnason, Okinawa, Japan, November 5-9, 2018. (Keynote speaker)
- 28. Joint Mini-workshop between KU and NTNU, Ito campus, Kyushu University, Japan, October 22, 2018. (Invited speaker)
- 29. 2018 RIMS Workshop on Nonlinear Analysis and Convex Analysis, Kyoto University, Kyoto, Japan, August 27-29, 2018. (Invited speaker)
- 30. International Workshop on Nonlinear Analysis and Optimization 2018, Pukyong National University, Busan, Korea, August 6-8, 2018. (Invited speaker)

- 31. International Workshop on Big Data and Optimization, Applied Algebra and Optimization Research Center, Sungkyunkwan University, Suwon, Korea, December 14-17, 2017. (Invited speaker)
- 32. 2017 Annual Meeting of Taiwanese Mathematics Society, Department of Applied Mathematics, National Chiayi University, Chiayi, Taiwan, December 9-10, 2017. (Invited speaker)
- 33. 2017 RIMS Workshop on Nonlinear Analysis and Convex Analysis, Kyoto University, Kyoto, Japan, August 30 September 1, 2017. (Invited speaker)
- 34. The 10th International Conference on Nonlinear Analysis and Convex Analysis, Chitose city, Hokkaido, Japan, July 4-9, 2017. (Keynote speaker)
- 35. The 5th TWSIAM Annual Meeting, Department of Mathematical Sciences, National Cheng Chi University, Taipei, Taiwan, May 6-7, 2017. (Invited speaker)
- 2016 Annual Meeting of Taiwanese Mathematics Society, Department of Applied Mathematics, National Dong Hua University, Hualien, Taiwan, December 10-11, 2016. (Invited speaker)
- 37. The Frontier Conference of Optimization and Its Applications, Fuzhou University, China, November 19-20, 2016. (Invited speaker)
- 38. The 28th Symposium of the Research Association of Mathematical Programming, Niigata University, Niigata, Japan, October 13-14, 2016. (Invited speaker)
- 39. The fifth International Conference on Continuous Optimization, National Graduate Institute for Policy Studies, Tokyo, Japan, August 6-11, 2016. (Invited speaker)
- 40. The fifth Asian Conference on Nonlinear Analysis and Optimization, Toki Messe, Niigata, Japan, August 1-6, 2016. (Invited speaker)
- 41. 2015 NCTS Workshop on Analysis at NCU, Department of Mathematics, National Central University, December 28-29, 2015. (Invited speaker)
- 42. 2015 Nanjing International Conference on Numerical Optimization with Applications, Nanjing Normal University, Nanjing, China, November 27-29, 2015. (Invited speaker)
- 43. The 4th International Congress on Natural Sciences, National Changhua University of Education, Changhua, Taiwan, September 10-12, 2015. (Invited speaker)
- 44. 2015 RIMS Workshop on Nonlinear Analysis and Convex Analysis, Kyoto University, Kyoto, Japan, September 7-9, 2015. (Invited speaker)
- 45. 2015 Canadian Mathematical Society Summer Meeting, University of Prince Edward Island, Charlottetown, Canada, June 5-8, 2015. (Invited speaker)
- 46. 2015 Workshop on Nonlinear Analysis and Optimization, National Chiayi University, Chiayi, Taiwan, April 28, 2015. (Invited speaker)
- 47. International Workshop on Nonlinear Analysis, Optimization, and Applications, Pukyong National University, Busan, Korea, February 11-13, 2015. (Invited speaker)

- 48. 2014 Annual Meeting of Taiwanese Mathematics Society, Department of Mathematics, National Cheng Kung University, Tainan, Taiwan, December 6-7, 2014. (Invited speaker)
- 49. 2013 Workshop on Nonlinear Analysis, Optimization and Their Applications, Department of Mathematics, National Kaohsiung Normal University, Kaohsiung, Taiwan, December 30, 2013. (Invited speaker)
- 50. The International Conference on Nonlinear Analysis and Optimization, Department of Applied Mathematics, National Sun Yat-sen University, Kaohsiung, Taiwan, December 20-22, 2013. (Invited speaker)
- The 9th International Conference on Optimization: Techniques and Applications -ICOTA9, National Taiwan University of Science and Technology, Taipei, Taiwan, December 12-16, 2013.
- 2013 Annual Meeting of Taiwanese Mathematics Society, Department of Applied Mathematics, National Sun Yat-sen University, Kaohsiung, Taiwan, December 6-8, 2013. (Invited speaker)
- 53. The 7th Asian Conference on Fixed Point Theory and Optimization 2013, Kamphang Saen Campus, Kasetsart University, Thailand, July 18-20, 2013. (Keynote speaker)
- 54. 2013 International Symposium on Nonlinear Analysis and Optimization, Pukyong National University, Busan, Korea, January 31 - February 2, 2013. (Invited speaker)
- 55. 2012 Annual Meeting of Taiwanese Mathematics Society, National Chiao Tung University, Hsinchu, Taiwan, December 7-9, 2012. (Invited speaker)
- 56. The 21st International Symposium on Mathematical Programming (ISMP 2012), Berlin Institute of Technology, Berlin, Germany, August 19-24, 2012.
- 57. 2012 Annual Meeting of Shandong Operations Research Society, Qufu Normal University, Shandong, China, July 21-22, 2012. (Invited speaker)
- 58. 2012 International Workshop on Optimization and Engineering Systems, National Cheng Kung University, Tainan, Taiwan, June 27-30, 2012. (Invited speaker)
- 59. 2012 Annual Meeting of Hong Kong Mathematics Society, The University of Hong Kong, Hong Kong, China, May 5, 2012. (Invited speaker)
- 60. International Conference on Jordan Theory, Analysis and Related Topics, The Chinese University of Hong Kong, Hong Kong, China, April 30 May 4, 2012. (Invited speaker)
- 61. 2012 International Symposium on Nonlinear Analysis and Optimization, Pukyong National University, Busan, Korea, February 8-10, 2012. (Invited speaker)
- 62. 2011 Workshop on Nonlinear Analysis and Optimization Theory, Method and Applications, National Tsing Hua University, Hsinchu, Taiwan, December 12, 2011. (Invited speaker)
- 63. 2011 Annual Meeting of Taiwanese Mathematics Society, Chung Yuan Christian University, Chungli, Taiwan, December 9-11, 2011. (Invited speaker)

- 64. 2011 RIMS Workshop on Nonlinear Analysis and Convex Analysis, Kyoto University, Kyoto, Japan, August 29-31, 2011. (Invited speaker)
- 65. The 7th International Conference on Nonlinear Analysis and Convex Analysis, Pukyong National University, Busan, Korea, August 2-5, 2011. (Invited speaker)
- 66. 2011 Workshop on Analysis and Optimization, Chung Yuan Christian University, Chungli, Taiwan, March 30, 2011. (Invited speaker)
- 67. International Symposium on Nonlinear Analysis and Convex Analysis Hualien, Taiwan, March 26-28, 2011. (Invited speaker)
- 68. 2010 Annual Meeting of Taiwanese Mathematics Society, National Changhua University of Education, Changhua, Taiwan, December 10-12, 2010. (Invited speaker)
- 69. 2010 RIMS Workshop on Nonlinear Analysis and Convex Analysis, Kyoto University, Kyoto, Japan, August 30 September 1, 2010. (Invited speaker)
- 70. The International Workshop on Large Scale Optimization, Fudan University, Shanghai, China, May 21, 2010. (Invited speaker)
- 71. 2010 NCTS Colloquium on Jordan Theory and Analysis, National Tsing Hua University, Hsinchu, Taiwan, April 8-12, 2010. (Invited speaker)
- 72. 2010 Workshop on Optimization Analysis and its Applications, Chung Yuan Christian University, Chungli, Taiwan, March 19-20, 2010. (Invited speaker)
- 73. 2009 Annual Meeting of Taiwanese Mathematics Society, National Chung Cheng University, Chiayi, Taiwan, December 4-6, 2009. (Invited speaker)
- 74. Workshop on Theory and Applications of Mathematical Analysis, National Taiwan University, Taipei, Taiwan, October 21-22, 2009. (Invited speaker)
- 75. The 6th International Conference on Nonlinear Analysis and Convex Analysis, Tokyo Institute of Technology, Tokyo, Japan, March 27-31, 2009.
- 2008 Annual Meeting of Taiwanese Mathematics Society, National Tsing Hua University, Hsinchu, Taiwan, December 19-21, 2008.
- 77. 2008 Workshop on Nonlinear Analysis, Department of Mathematics, National Kaohsiung Normal University, Kaohsiung, Taiwan, November 21, 2008. (Invited speaker)
- 78. 2008 Workshop on Analysis, Department of Mathematics, National Central University, Chungli, Taiwan, October 25, 2008. (Invited speaker)
- 79. The 7th International Conference on Optimization: Techniques and Applications ICOTA7, Kobe, Japan, December 12-15, 2007.
- 80. International Symposium on Nonlinear Analysis and Convex Analysis, Department of Applied Mathematics, National Sun Yat-Sen University, Kaohsiung, Taiwan, November 22-24, 2007.
- 2007 Management Summit and Scholar Workshop, Management II Program, National Science Council, Taipei, Taiwan, June 24-26, 2007.

- 82. The 5th International Conference on Nonlinear Analysis and Convex Analysis, National Tsing Hua University, Hsinchu, Taiwan, May 31 - June 4, 2007.
- 83. Workshop on Duality and Conic Optimization, Fang Shu-Cherng Lecturership, Tsinghua University, Beijing, China, December 16-18, 2006. (Invited speaker)
- 84. 2006 INFORMS Annual Meeting, Pittsburgh, Pennsylvania, USA, November 5-8, 2006.
- 85. Conference on Mathematical Analysis for Young Researchers, National Chang-Hua University of Education, Changhua, Taiwan, October 14-15, 2006. (Invited speaker)
- 86. 2006 RIMS Workshop on Nonlinear Analysis and Convex Analysis, Kyoto University, Kyoto, Japan, August 28-30, 2006. (Invited speaker)
- 2006 Distinguished Scholar Workshop, Management II Program, National Science Council, Taipei, Taiwan, July 10-15, 2006.
- TMS & AMS Joint International Conference, Tunghai University, Taichung, Taiwan, December 14-18, 2005.
- 89. The 3rd Sino-Japanese Optimization Meeting, National University of Singapore, Singapore, October 31 - November 2, 2005.
- 90. International Conference on Nonlinear Analysis and Optimization with Its Applications, Chung Yuan Christian University, Chungli, Taiwan, September 30 October 3, 2005. (Invited speaker)
- 91. The 4th International Conference on Nonlinear Analysis and Convex Analysis, Okinawa, Japan, June 30 - July 4, 2005.
- NCTS Workshop on Functional Analysis, National Sun Yat-Sen University, Kaohsiung, Taiwan, December 25-28, 2004.
- 93. Workshop on Nonlinear Analysis and Neural Nets, National Taiwan Normal University, Taipei, Taiwan, December 24-25, 2004.
- 94. The 6th International Conference on Optimization: Techniques and Applications - ICOTA6, University of Ballarat, Australia, December 9-11, 2004.
- 95. 2004 Annual Meeting of Taiwanese Mathematics Society, National Taiwan University, Taipei, Taiwan, December 3-5, 2004.
- 96. Conference of Multiscale Optimization Methods and Applications, University of Florida, Gainesville, February 26-28, 2004.
- 97. International Teaching Assistant Pre-Autumn Workshop, University of Washington, Seattle, September 16, 2002.
- International Teaching Assistant Pre-Autumn Workshop, University of Washington, Seattle, September 18, 2001.
- International Conference on Optimization and Control, National Cheng Kung University, Tainan, Taiwan, June 2-4, 2001.

Colloquium/Seminar Talks

- 1. Colloquium of Department of Applied Mathematics, Feng Chia University, Taichung, Taiwan, April 30, 2025.
- 2. Joint Seminar of MU and NTNU, Faculty of Science, Mahidol University, Bangkok, Thailand, August 29, 2024.
- 3. Seminar of Faculty of Mathematics, Mechanics and Informatic, Vietnam National University University of Science, Hanoi, Vietnam, March 29, 2024.
- 4. Seminar of School of Mathematics and Statistics, University of Melbourne, Melbourne, Australia, January 29, 2024.
- 5. Seminar of Institute of Innovation, Science and Sustainability, Federation University Australia, Ballarat, Australia, January 25, 2024. (online talk)
- 6. Colloquium of Faculty of Mathematics, The University of Danang University of Science and Education, Danang, Vietnam, February 10, 2023.
- 7. Colloquium of Academy for Advanced Interdisciplinary Studies, Northeast Normal University, China. July 6, 2022. (online talk)
- Seminar of Institute of Statistical Science, Academia Sinica, Taipei, Taiwan, January 10, 2022.
- 9. Colloquium of Department of Mathematical Sciences, National Cheng Chi University, Taipei, Taiwan, October 4, 2021.
- 10. OR Forum Series, Operations Research Society of China, Beijing, China, September 1, 2021. (online talk)
- 11. Colloquium of Department of Mathematics, National Cheng Kung University, Tainan, Taiwan, November 12, 2020.
- 12. UMBC Online Optimization Seminar, University of Maryland, Baltimore, USA, September 17, 2020. (online talk)
- 13. Webinar of Variational Analysis and Optimization, Group of Computation and Optimization, Australia, August 26, 2020. (online talk)
- 14. Colloquium of Faculty of Mathematics, The University of Danang University of Science and Education, Danang, Vietnam, December 11, 2019.
- 15. Seminar of School of Mathematics and Statistics, Ningxia University, Yinchuan, China, October 11, 2019.
- 16. Colloquium of School of Mathematics and Information Science, North Minzu University, Yinchuan, China, October 9, 2019.
- 17. Seminar of Mathematical Informatics 5th Lab, University of Tokyo, Tokyo, Japan, September 24, 2019.
- 18. Seminar of Department of Mathematical Sciences, Tsinghua University, Beijing, China, June 12, 2019.

- 19. Seminar of Department of Applied Mathematics, Beijing Jiaotong University, Beijing, China, June 12, 2019.
- 20. Seminar of Department of Mathematics, Shanghai University, Shanghai, China, April 26, 2019.
- Colloquium of School of Management, Shanghai University, Shanghai, China, April 25, 2019.
- 22. Seminar of Department of Mathematics, Naresuan University, Thailand, February 27-28, 2019.
- 23. Seminar of School of Mathematical Sciences, University of Southampton, UK, January 31, 2019.
- 24. Colloquium of School of Mathematics and Statistics, Wuhan University, Wuhan, China, September 20, 2018.
- 25. Colloquium of School of Mathematical Sciences, Inner Mongolia Normal University, Hohhot, China, September 6, 2018.
- 26. Colloquium of School of Mathematical Sciences, Dalian University of Technology, Dalian, China, October 13, 2017.
- 27. Colloquium of School of Sciences, Shenyang Aerospace University, Shenyang, China, October 11, 2017.
- 28. Seminar of School of Mathematical Sciences, University of Southampton, UK, August 8, 2017.
- 29. Seminar of Department of Mathematics, National University of Singapore, Singapore, January 24, 2017.
- 30. Colloquium of Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, March 9, 2016.
- Seminar of Department of Mathematics, Shanghai University, Shanghai, China, November 24, 2015.
- Seminar of Department of Economics, Universitat Autònoma de Barcelona, Spain, February 19, 2015.
- Seminar of Department of Mathematics, University of Würzburg, Würzburg, Germany, September 10, 2013.
- 34. Colloquium of Department of Mathematical Sciences, National Chengchi University, Taipei, Taiwan, October 8, 2012.
- 35. Seminar of Institute of Computational Mathematics and Scientific/Engineering Computing, Chinese Academy of Sciences, Beijing, China, July 27, 2012.
- 36. Seminar of Department of Mathematics, Tianjin University, Tianjin, China, July 25, 2012.
- Colloquium of Department of Mathematics, Soochow University, Taipei, Taiwan, May 11, 2011.

- 38. Seminar of Department of Mathematical Sciences, Nanyang Technological University, Singapore, October 7, 2010.
- 39. Seminar of Department of Mathematics, National University of Singapore, Singapore, October 6, 2010.
- 40. Colloquium of Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, September 29, 2010.
- 41. Colloquium of Department of Applied Mathematics, Beijing Jiaotong University, Beijing, China, May 17, 2010.
- 42. Colloquium of School of Mathematical Sciences, Dalian University of Technology, Dalian, China, January 18, 2010.
- 43. Colloquium of School of Mathematical Sciences, South China University of Technology, Guangzhou, China, January 14, 2010.
- 44. Colloquium of Department of Applied Mathematics, National University of Kaohsiung, Kaohsiung, Taiwan, December 9, 2009.
- 45. Seminar of Mathematics Division, NCTS (South), National Cheng Kung University, Tainan, Taiwan, September 29, 2009.
- 46. Colloquium of Department of Applied Mathematics, National Dong Hwa University, Hualien, Taiwan, June 19, 2009.
- 47. Seminar of Division of Mathematical Sciences, Pukyong National University, Busan, Korea, April 3, 2009.
- 48. Seminar of Department of Mathematics, Kyungpook National University, Daegu, Korea, April 2, 2009.
- 49. Seminar of Mathematics Division, NCTS(South), National Cheng Kung University, Tainan, Taiwan, January 9, 2009.
- 50. Colloquium of Department of Mathematics, National Taitung University, Taitung, Taiwan, June 6, 2008.
- 51. Colloquium of Department of Mathematics, South China University of Technology, Guangzhou, China, March 20, 2008.
- 52. Colloquium of Department of Mathematics, Tianjin University, Tianjin, China, March 17 and 18, 2008.
- 53. Colloquium of Department of Applied Mathematics, Beijing Jiaotong University, Beijing, China, March 12 and 14, 2008.
- 54. Seminar of Department of Applied Mathematics, The Hong Kong Polytechnic University, Hong Kong, March 10, 2008.
- 55. Colloquium of Department of Applied Mathematics, National Sun Yat-Sen University, Kaohsiung, Taiwan, March 15, 2007.
- 56. Colloquium of Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, March 7, 2007.

- 57. Seminar of Department of Computer Science and Information Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan, December 26-27, 2006.
- 58. Colloquium of Department of Mathematics, Beijing Jiaotong University, China, December 19, 2006.
- 59. Seminar of Department of Decision Sciences, National University of Singapore, Singapore, October 6, 2006.
- 60. Colloquium of Department of Mathematics, National Tsing Hua University, Hsinchu, Taiwan, April 17, 2006.
- Seminar of Department of Computer Science and Information Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan, December 20, 2005.
- 62. Colloquium of Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, September 14, 2005.
- 63. Colloquium of Department of Mathematics, National Taiwan University, Taipei, Taiwan, November 22, 2004.
- 64. Colloquium of Department of Applied Mathematics, National Dong Hwa University, Hualien, Taiwan, April 2, 2004.
- 65. Colloquium of Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, March 31, 2004.
- 66. Colloquium of Department of Mathematics, Tunghai University, Taichung, Taiwan, March 29, 2004.
- 67. Colloquium of Department of Mathematics, National Cheng Kung University, Tainan, Taiwan, March 26, 2004.
- 68. Colloquium of Department of Applied Mathematics, National Sun Yat-Sen University, Kaohsiung, Taiwan, March 25, 2004.
- 69. Colloquium of Department of Mathematics, National Kaohsiung Normal University, Kaohsiung, Taiwan, March 24, 2004.
- 70. Joint UW Optimization Seminar, University of Washington, Seattle, May 6, 2003.
- 71. Joint UW Optimization Seminar, University of Washington, Seattle, April 16, 2002.
- 72. Colloquium of Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, May 29, 2001.

Professional Activities

- 1. Organizer, Mini Workshop on Nonlinear Analysis and Optimization, Department of Mathematics, National Taiwan Normal University, June 20, 2025.
- 2. Organizer, Mini Optimization Symposium, Department of Mathematics, National Taiwan Normal University, December 10, 2024.

- 3. Organizer, 2024 Optimization Workshop, Department of Mathematics, National Taiwan Normal University, August 19, 2024.
- 4. Co-organizer, 2023 TWSIAM Annual Meeting, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, May 20-21, 2023.
- 5. Organizer, 2023 NCTS Optimization Workshop, Department of Mathematics, National Taiwan Normal University, May 17, 2023.
- 6. Organizer, 2020 NCTS Optimization Day for Young Researchers, Department of Mathematics, National Taiwan Normal University, December 14, 2020.
- 7. Co-organizer, Taiwan-Germany Symposium on Mathematics Education, Department of Mathematics, National Taiwan Normal University, November 18-19, 2019.
- 8. Organizer, 2019 Optimization Workshop, Department of Mathematics, National Taiwan Normal University, March 8, 2019.
- 9. Organizer, Mini Workshop on Nonlinear Analysis, Department of Mathematics, National Taiwan Normal University, January 9, 2019.
- 10. Organizer, 2017 Optimization Workshop, Department of Mathematics, National Taiwan Normal University, November 1, 2017.
- 11. Co-organizer, 2016 Optimization Workshop, Department of Mathematics, National Taiwan Normal University, July 26, 2016.
- 12. Organizer, One Day Workshop on Optimization, Department of Mathematics, National Taiwan Normal University, October 14, 2015.
- 13. Organizer, One Day Workshop on Nonlinear Analysis, Combinatorial Analysis, and Matrix Analysis, Department of Mathematics, National Taiwan Normal University, January 14, 2015.
- 14. Co-organizer, ICM Satellite Conference 2014: The Fourth Asian Conference on Nonlinear Analysis and Optimization, National Taiwan Normal University, Taipei, Taiwan, August 5-9, 2014.
- 15. Organizer, 2014 Taiwan-Germany Bilateral Workshop on Mathematics Education, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, March 26, 2014.
- 16. Organizer, The 1st Cross-straits Optimization Workshop, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, March 27-29, 2013.
- Co-organizer, 2012 Workshop on Nonlinear Analysis and Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, November 28-30, 2012.
- Co-organizer, 2011 Workshop on Nonlinear Analysis and Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, November 16-18, 2011.
- Organizer, 2011 Optimization Workshop, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, May 20, 2011.

- 20. Co-organizer, 2010 Workshop on Nonlinear Analysis and Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, November 24-26, 2010.
- 21. Organizer, 2010 Optimization Meeting, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, April 22, 2010.
- 22. Co-organizer, 2009 Workshop on Nonlinear Analysis and Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, November 25-27, 2009.
- 23. Organizer, 2009 Mini Workshop on Optimization (2), Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, June 15, 2009.
- 24. Organizer, 2009 Mini Workshop on Optimization (1), Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, February 6, 2009.
- Co-organizer, 2008 Workshop on Nonlinear Analysis and Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, December 17-19, 2008.
- 26. Organizer, Optimization Meeting, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, November 12, 2008.
- 27. Organizer, Mini Workshop on Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, October 18, 2007.
- Coordinator of local organizing committee, 2006 Annual Meeting of Taiwanese Mathematics Society, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, December 8-10, 2006.
- 29. Organizer, 2006 Workshop on Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, December 8-10, 2006.
- Co-organizer, Optimization Day, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, March 2, 2006.
- Co-organizer, 2005 Workshop on Optimization, Department of Mathematics, National Taiwan Normal University, Taipei, Taiwan, November 29-30, 2005.

Editorial Board

- 1. Communications in Optimization Theory (Editor), since 09/2016.
- Journal of Nonlinear and Convex Analysis (Guest Editor for a special issue), 09/2014 - 12/2015.
- 3. Linear and Nonlinear Analysis (Editor), since 01/2015.
- 4. Mathematical Problems in Engineering (Guest Editor for a special issue), 06/2013
 04/2014.
- 5. Pacific Journal of Optimization (Associate Editor), since 12/2020.

- 6. Pacific Journal of Optimization (Guest Editor for a special issue), 09/2014 12/2015.
- 7. Taiwanese Journal of Mathematics (Associate Editor), 08/2017 07/2026.

<u>Referee Services</u>

- 1. Abstract and Applied Analysis.
- 2. Acta Mathematica Scientia.
- 3. Advances in Applied Mathematics and Mechanics.
- 4. Afrika Matematika.
- 5. Annals of Operations Research.
- 6. Applied Mathematical Modeling.
- 7. Applied Mathematics.
- 8. Applied Mathematics- A Journal of Chinese Universities.
- 9. Applied Mathematics and Computation.
- 10. Applied Mathematics and Optimization.
- 11. Applied Mathematics Letters.
- 12. Applied Numerical Mathematics.
- 13. Asian-European Journal of Mathematics.
- 14. Asia-Pacific Journal of Operational Research.
- 15. Calcolo.
- 16. Communications in Mathematical Research.
- 17. Communications in Nonlinear Science and Numerical Simulation.
- 18. Complexity.
- 19. Computational and Applied Mathematics.
- 20. Computational Optimization and Applications.
- 21. Computer-Aided Design and Applications.
- 22. Computers and Operations Research.
- 23. Computing.
- 24. Discrete Dynamics in Nature and Society.
- 25. Electronic Journal of Linear Algebra.

- 26. Engineering Optimization.
- 27. European Journal of Operational Research.
- 28. IEEE Transactions on Neural Networks.
- 29. IEEE Transactions on Systems, Man and Cybernetics: Systems.
- 30. IMA Journal of Numerical Analysis.
- 31. Frontiers of Mathematics in China.
- 32. Information Sciences.
- 33. Intelligent Data Analysis.
- 34. International Journal of Computer Mathematics.
- 35. International Journal of Information and Management Sciences.
- 36. International Journal of Numerical Analysis and Modeling.
- 37. International Journal of Operations Research.
- 38. Journal of Applied Analysis and Computation.
- 39. Journal of Applied Mathematics.
- 40. Journal of Applied Mathematics and Computing.
- 41. Journal of Computational and Applied Mathematics.
- 42. Journal of Computational Mathematics.
- 43. Journal of Computer and System Sciences.
- 44. Journal of Function Spaces.
- 45. Journal of Global Optimization.
- 46. Journal of Harbin Institute of Technology.
- 47. Journal of Industrial and Management Optimization.
- 48. Journal of Inequalities and Applications.
- 49. Journal of Intelligent Systems.
- 50. Journal of Mathematical Analysis and Applications.
- 51. Journal of Mathematical Research with Applications.
- 52. Journal of Nonlinear and Convex Analysis.
- 53. Journal of Scientific Computing.
- 54. Journal of Sensors.

- 55. Journal of Systems Science and Complexity.
- 56. Linear Algebra and its Applications.
- 57. Linear and Multilinear Algebra.
- 58. Mathematical Problems in Engineering.
- 59. Mathematical Programming.
- 60. Mathematical Modelling and Analysis.
- 61. Mathematics Methods of Operations Research.
- 62. Neural Computing and Applications.
- 63. Neural Networks.
- 64. Neural Processing Letters.
- 65. Neurocomputing.
- 66. Nonlinear Analysis: Theory, Methods and Applications.
- 67. Numerical Algebra, Control and Optimization.
- 68. Numerical Algorithms.
- 69. Nonlinear Functional Analysis and Applications.
- 70. Numerical Functional Analysis and Optimization.
- 71. Numerical Linear Algebra with Applications.
- 72. Numerical Mathematics: Theory, Methods and Applications.
- 73. Operations Research Letters.
- 74. Operators and Matrices.
- 75. Optimization.
- 76. Optimization Letters.
- 77. Optimization Methods and Software.
- 78. Pacific Journal of Optimization.
- 79. RAIRO-Operations Research.
- 80. Sao Paulo Journal of Mathematical Sciences.
- 81. ScienceAsia.
- 82. Set-Valued and Variational Analysis.
- 83. SIAM Journal on Matrix Analysis and Applications.

- 84. SIAM Journal on Optimization.
- 85. Taiwanese Journal of Mathematics.
- 86. Vietnam Journal of Mathematics.

Students Supervised

- 19 Master students.
- 6 Ph.D. students.
- 12 postdocs.