

Curriculum Vita of Sifeng Liu

Sifeng Liu, Ph.D., SM IEEE(Member No. 80126671), Honorary Fellow of World Organization of Systems and Cybernetics, and The Researcher of Marie Curie International Incoming Fellowships (FP7-PEOPLE-2013-IIF) of the 7th Research Framework Programme of the European Commission.

Address:

1)Research Professor, Centre for Computational Intelligence, De Montfort University

The Gateway, Leicester, LE19BH, UK

Ph. + 44-116-250-6333, Fax. +44-116-254-1891

E-mail: sifeng.liu@dmu.ac.uk

URL www.cse.dmu.ac.uk/~sliu04/

2)Distinguished Professor of Nanjing University of Aeronautics and Astronautics

Director of Institute for Grey Systems Studies

29 Jiangjun Avenue, Nanjing 211106, Jiangsu Province, PR China

Ph. + 86 25 84892700, Fax. + 86 25 84892752

E-mail: sfliu@nuaa.edu.cn

URL: <http://igss.nuaa.edu.cn> <http://cem.nuaa.edu.cn>

CITIZENSHIP: China

PERSONAL: Married, one Child

EDUCATION

Institution	Concentration	Degree/Date
Huazhong University of Science and Technology, China	Systems Engineering	Ph.D./1998
Huazhong University of Science and Technology, China	Economics	Ms/1986
Henan University, China	Mathematics	B.E./1981

ACADEMIC EXPERIENCE

Institution	Position	Dates
De Montfort University	Research professor	from 1 st August,2014
Nanjing University of Aeronautics and Astronautics	Distinguished professor and Director	June 2001- present
Nanjing University of Aeronautics and Astronautics	Distinguished professor and Dean	April 2001-Oct.2012
Nanjing University of Aeronautics and Astronautics	Distinguished professor	Sept.2000-April 2001
Henan Agricultural University	Professor	Nov.1994-Aug.2000
Henan Agricultural University	Associate Professor	Oct. 1992-Nov.1994
Henan Agricultural University	Lecture	June 1985-Sept..1994
Henan Agricultural University	Research Assistant	Aug 1984-May..1985
Shandong University	Visiting Teaching Assistant	Sept..1983-July 1984

Henan Agricultural University	Teaching Assistant	Sept..1981-Aug 1983
Slippery Rock University	Visiting Professor	Dec. 1996-May 1997
Sydney University	Visiting Professor	July 2005-Aug. 2005
New York Institute of Technology	Visiting Professor	July 2010
De Montfort University	Visiting Professor	July 2011
De Montfort University	Visiting Professor	Oct. 2012

PROFESSIONAL MEMBERSHIP

Association	Status	Dates
European Commission Marie Curie International Incoming Fellowships		2013- present
The World Organization of Systems and Cybernetics	Honorary Fellow	2008-present
The Institute of Electrical and Electronic Engineers, (IEEE)	Senior Member	2007-present
The Institute of Electrical and Electronic Engineers, (IEEE)	Member	2004-2007
TC of IEEE SMC on Grey Systems	Co-Chair	2007- present
Beijing Chapter of IEEE SMC	Co-Chair	2006- 2009
Nanjing Chapter of IEEE SMC	Co-Chair	2008- 2010
Evaluation committee of Natural Science Foundation of China(NSFC)	Member	2008-present
Standing committee for teaching guide in management science and engineering of the Ministry of Education, China	Member	2001- present
Standing committee for teaching guide in Mathematics of the Ministry of Agriculture, China	Member	1996- 2000
Grey Systems Society of China	President	2005- present
Grey Systems Society of China	vice president	1995- 2004
Chinese Society for Optimization, Overall Planning and Economic Mathematics	vice president	2005- present
Standing committee for teaching guide in management science and engineering of Jiangsu Province	Director	2006-- present
Econometrics and Management Science Society of Jiangsu Province	vice president	2001-- present
Systems Engineering Society of Jiangsu Province	vice president	2001-- present
Nanjing Decision Consultancy Committee	Member	2006-- present
Soft Science Society of Henan Province	vice president	1995--2000
Optimization, Overall Planning and Economic Mathematics of Henan Province	vice president	1995-2000
Macro-Economics Society of Jiangsu Province	vice president	2012.4—present
Decision-making Consulting Committee of Nanjing	Member	2006—present
Decision-making Consulting Committee of Jianye District, Nanjing	Member	2010—present

Decision-making Consulting Committee of
 China Association of Science and Technology **Member** 2010—present

PROFESSIONAL AWARDS

Title of Awards	Granting Association	Dates
National Excellent Scientist	China Association of Science and Technology	2014
National Excellent Open Course	Ministry of Education, China	2013
Achievement Award for Natural Science Research	Ministry of Education, China	2012
Top Cited Article Award 2007-2011	Applied Mathematical Modelling	2012
Excellent Paper Award	The 11 th International Conference on Industrial Management	2012
National Excellent Textbook	Ministry of Education, China	2012
National Excellent Teaching Group	Ministry of Education, China	2010
Good Teacher and Helpful Friend	The Union of Graduate Student of	
---My Best Loving Teacher	Nanjing University of Aeronautics and Astronautics	2009
Top 100 Great Influence Papers of 2008	Ministry of Science and Technology, China	2008
National Excellent Course	Ministry of Education, China	2008
National Excellent Textbook	Ministry of Education, China	2008
National Programming Textbook	Ministry of Education, China	2007
National Programming Textbook	Ministry of Education, China	2005
Outstanding Managerial Personnel of China	Chinese Society for Future Studies	2005
National Advanced Individual for Returnee	The State Council, China	2003
Achievement Award for Returnee	The State Council, China	2003
Excellent Science and Technology Staff in Jiangsu Province	The Government of Jiangsu Province	2002
Expert Enjoying Government's Special Allowance	The State Council of China	2000
National Expert with Prominent Contribution	Ministry of Personnel, China	1998
Excellent Expert of Henan Province	The Government of Henan Province	1998
National Excellent Teacher	Ministry of Education and Ministry of Personnel, China	1995

PRINTED SCHOLARSHIP

Books or Book Chapters

Sifeng Liu, Jeffrey Forrest, Yingjie Yang. Grey System: thinking, methods, and models with applications. In Contemporary Issues in Systems Science and Engineering, John Wiley & Sons, Inc., 2015, pp. 153 –224

Sifeng Liu, Yingjie Yang, Lifeng Wu. Grey System Theory and Its Applications(the 7th edition). Science Press, 2014(in Chinese)

Sifeng Liu, Naiming Xie. Grey System Theory and Its Applications(the 6th edition). Science Press, 2013(in Chinese)

Sifeng Liu, Naiming Xie, Chaoqing Yuan, and Zhigeng Fang. Systems Evaluation: Methods, Models, and Applications. Taylor & Francis Group, 2012

Sifeng Liu and Yi Lin. Grey Systems: Theory and Applications. Springer-Verlag, 2011

Sifeng Liu, Zhigeng Fang, Hongxing Shi and Benhai Guo. Theory of Science and Technology Transfer and Applications. Taylor & Francis Group, 2009

Zhigeng Fang, Sifeng Liu, Hongxing Shi and Yi Lin. Grey Game Theory and Its Applications in Economics Decision-making. Taylor & Francis Group, 2009

Sifeng Liu and Yi Lin. Grey Information: Theory and Practical Applications, Springer-Verlag London Ltd, 2006

Sifeng Liu and Yi Lin. An Introduction to Grey Systems: Foundation, Methodology and Applications. IIGSS Academic Publisher, 1998

Sifeng Liu, Yaoguo Dang, Zhigeng Fang and Naiming Xie. Grey System Theory and Its Applications(the fifth edition). Science Press, 2010(in Chinese)

Sifeng Liu and Naiming Xie.. Grey System Theory and Its Applications(the fourth edition). Science Press, 2008(in Chinese)

Sifeng Liu, Yaoguo Dang. The Methodology and Technology on Prediction. Higher Education Press, 2005(in Chinese)

Sifeng Liu, Yaoguo Dang and Zhigeng Fang. Grey System Theory and Its Applications(the third edition). Science Press, 2004(in Chinese)

Sifeng Liu, Tianbang Guo and Yaoguo Dang. Grey System Theory and Its Applications(the second edition). Science Press, 1998(in Chinese)

Sifeng Liu and Tianbang Guo. Grey System Theory and Its Applications. Henan University Publisher, 1991(in Chinese)

Edited conference proceedings

Sifeng Liu(Editor-in Chief). Proceedings of GSSC 25th Conference on Grey Systems and Applications(in Chinese), China Center of Advanced Science and Technology, 2014

Sifeng Liu(Editor-in Chief). Proceedings of 2013 IEEE International Conference on Grey Systems and Intelligent Service, IEEE Publisher, 2013

Sifeng Liu(Editor-in Chief). Proceedings of 2011 IEEE International Conference on Grey Systems and Intelligent Service, IEEE Publisher, 2011

Sifeng Liu & Yi Lin. Advance in Grey Systems Research. Springer-Verlag, 2010

Sifeng Liu(Editor-in Chief). Proceedings of 2009 IEEE International Conference on Grey Systems and Intelligent Service, IEEE Publisher, 2009

Sifeng Liu(Editor-in Chief). Proceedings of 2007 IEEE International Conference on Grey Systems and Intelligent Service, IEEE Publisher, 2007

Sifeng Liu(Editor). Vol. 5 of Proceedings of WOSC 13th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS, 2005

Mianyun Chen, Sifeng Liu and Yi Lin(Guest Editors). Kybernetes: The International Journal of Systems & Cybernetics, Vol. 33, No. 2, 2004

Sifeng Liu(Editor-in Chief). Proceedings of GSSC 16th Conference on Grey Systems and Applications(in Chinese), China Center of Advanced Science and Technology, 2008

Sifeng Liu(Editor-in Chief). Proceedings of GSSC 14th Conference on Grey Systems and Applications(in Chinese), China Center of Advanced Science and Technology, 2006

Sifeng Liu and Zhongxiang Xu(Editor-in Chief). Proceedings of GSSC 9th Conference on Grey Systems and Applications(in Chinese), Press of Huazhong University of Science and Technology, 1996

Sifeng Liu and Kaiquan Shi(Editor-in Chief). Proceedings of GSSC 8th Conference on Grey Systems and Applications(in Chinese), Henan University Press, 1993

Refereed Journal Papers

- [1] Sifeng Liu, Shaoguang Zhang, Lirong Jian et al. Performance Evaluation of Large Commercial Aircraft Vendors The Journal of Grey System,2015,2713:1-11.
- [2] Liu Si-feng, Yang Yingjie, Fang Zhi-geng et al. Grey Cluster Evaluation Models Based on Mixed Triangular Whitenization Weight Functions. Grey Systems: Theory and Application. 2015, Vol.5,No.2.pp. will appear soon
- [3] Sifeng Liu, Zhigeng Fang, Yingjie Yang. Two stages decision model with grey synthetic measure and a bettermentof triangular whitenization weight function. Control and Decision, 2014, 29(7):1232-1238
- [4] Sifeng Liu , Bozeng, Jiefang Liu, Naiming Xie. Several basic models of GM(1,1) and their applicable bound. Systems Engineering and Electronics. 2014, 36(3):501-508.
- [5] Lifeng Wu, Sifeng Liu, Haijun Chen et al. Using a Novel Grey System Model to Forecast Natural Gas Consumption in China. Mathematical Problems in Engineering, 2015, pp.1-7
- [6] Lifeng Wu, Sifeng Liu, Zhigeng Fang et al. Properties of the GM(1, 1) with fractional order accumulation. Applied Mathematics and Computation, 2015, vol. 252, pp. 287-293
- [7] Wu L, Liu S, Liu D, et al. Modelling and forecasting CO2 emissions in the BRICS countries using a novel multi-variable grey model[J]. Energy, 2015. Vol. 79, pp. 489-495
- [8] Wu L, Liu S, Yao L, Xu R, Lei X. Using fractional order accumulation to reduce errors from inverse accumulated generating operator of grey model[J]. Soft Computing, 2014, 19(2):483-488
- [9] Wu L, Liu S, Yao L, Yan S, Liu D. Grey system model with the fractional order accumulation[J]. Communications in Nonlinear Science and Numerical Simulation, 2013, 18(7): 1775-1785
- [10] Wu L-F, Liu S-F, Cui W, Liu D-L, Yao T-X. Non-homogenous discrete grey model with fractional-order accumulation[J]. Neural Computing and Applications, 2014, 25(5): 1215-1221
- [11] Wu L, Liu S, Yao L, et al. Using fractional order accumulation to reduce errors from inverse accumulated generating operator of grey model[J]. Soft Computing, 2014: 1-6. SCI
- [12] Guo X, Liu S, Wu L, et al. Application of a Novel Grey Self-Memory Coupling Model to Forecast the Incidence Rates of Two Notifiable Diseases in China: Dysentery and Gonorrhoea[J]. PLOS ONE, 2014, 9(12): e115664
- [13] Guo S, Liu S, Fang Z, et al. Multi-phase information aggregation and dynamic synthetic evaluation based on grey inspiriting control lines[J]. Grey Systems: Theory and Application, 2014, 4(2): 154-163.
- [14] Li C, Liu S. Random network models and sensitivity algorithms for the analysis of ordering time and inventory state in multi-stage supply chains[J]. Computers & Industrial Engineering, 2014, 70: 168-175.
- [15] Wu L, Liu S, Chen D, et al. Using gray model with fractional order accumulation to predict gasemission[J]. Natural hazards, 2014, 71(3): 2231-2236
- [16] Meng W, Liu S, Zeng B, et al. Multi-indicators Comprehensive Evaluation for Air Quality Based on Grey Incidence Analysis[J]. Journal of Grey System, 2014, 26(1)
- [17] Jong Y, Liu S. Grey power models based on optimization of initial condition and model parameters[J]. Grey Systems: Theory and Application, 2014, 4(2): 370-382.
- [18] Li Q, Ni Z, Liu S. Grey Set Conversion and Decision Method of Intuitionistic Fuzzy Sets[J]. Journal of Grey System, 2014, 26(1)
- [19] Wu L, Liu S, Chen H, et al. Using a novel grey system model to forecast natural gas consumption in China[J]. Mathematical Problems in Engineering, 2014
- [20] Guo X, Liu S, Wu L, et al. Grey GM (1, 1) Power Pharmacokinetics Model Coupling Self-memory Principle of

Dynamic System[J]. Journal of Grey System, 2014, 26(4): 122-138

- [21] Liu J F, Liu S F, Fang Z G. New Strengthening Buffer Operators Based on Adjustable Intensity and Their Applications[J]. The Journal of Grey System, 2014, 26(3): 117-125
- [22] Sifeng Liu, Jeffrey Forrest, Yingjie Yang. Advance in grey systems Research. The Journal of Grey System, 25(2): 1-18, 2013.
- [23] S. Liu, B. Xu, J. Forrest, Y. Chen and Y. Yang. On Uniform Effect Measure Functions and a Weighted Multi-attribute Grey Target Decision Model. The Journal of Grey System, 25(1): 1-11, 2013.
- [24] S. Liu, Y. Yang, Y. Cao and N. Xie. A summary on the research of GRA models. Grey Systems: Theory and Application, 3(1): 7-15, 2013.
- [25] Y. Yang, S. Liu. Representation of Geometrical Objects with Grey Systems. The Journal of Grey System, 25(1): 32-43, 2013.
- [26] N. Xie, S. Liu, Y. Yang and C. Yuan. On novel grey forecasting model based on non-homogeneous index sequence. Applied Mathematical Modelling, 37(7): 5059-5068, 2013.
- [27] Y. Yang and R. John. Grey sets and greyness. Information Sciences, 185(1): 249-264, 2012.
- [28] Y. Yang, R. John, and S. Liu. Some extended operations of grey sets. Kybernetes, 41(7/8): 860-873, 2012.
- [29] Wu L F, Liu S F, Yao L G, et al. Grey system model with the fractional order accumulation. Communications in Nonlinear Science and Numerical Simulation, 2013, 18(7): 1775-1785
- [30] Wu L F, Liu S F, Yao L G, et al. The effect of sample size on the grey system model. Applied Mathematical Modelling, 2013, 37(9): 6577-6583
- [31] Wu Lifeng, Liu Sifeng, Yao Ligen, et al. Grey convex relational degree and its application to evaluate regional economic sustainability, Scientia Iranica, 2013, 20(1): 44-49
- [32] Sifeng Liu, Zhigeng Fang, Yingjie Yang, and Jeffrey Forrest. General Grey Numbers and Its Operations. Grey Systems: Theory and Application. 2012, Vol.2, No.3. pp. 4 – 15
- [33] Li Qiao-Xing; Liu Si-Feng; Lin Yi. Grey enterprise input-output analysis. JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 2012, Vol.236, No.7. pp. 1862-1875
- [34] Lifeng Wu, Sifeng Liu, Yinao Wang. Grey Lotka-Volterra model and its application. Technological Forecasting & Social Change, 2012, 79(9): 1720-1730
- [35] Yingjie Yang, Si-feng Liu. Reliability of operations of grey numbers using kernels. Grey Systems: Theory and Application. 2011, 1(1): 57 - 71.
- [36] Sifeng Liu, Naiming Xie. A new grey evaluation method based on reformative triangular whitenization weight function[J]. Journal of Systems Engineering, 2011, 26(2): 244-250. (in Chinese)
- [37] Sifeng Liu, Wenfeng Yuan, Keqin Sheng. Multi-attribute intelligent grey target decision model. Control and Decision, 2010, 25(8): 1159-1163
- [38] Xie Nai-ming; Liu Si-feng. Discrete grey forecasting model and its optimization APPLIED MATHEMATICAL MODELLING, 2009, Vol.33, No.2. pp. 1173-1186
- [39] Xie Nai-ming; Liu Si-feng. Novel methods on comparing grey numbers . APPLIED MATHEMATICAL MODELLING, 2010, Vol.34, No.2. pp. 415-423
- [40] Liu Sifeng, Forrest Jeffery. On Astray of Complicated Model for Uncertain Systems [J]. Systems Engineering -Theory & Practice, 2011, 31(10): 1960-1965. (in Chinese)
- [41] Zhang Ke, Liu Sifeng. Extended clusters of grey incidences for panel data and its application. Systems Engineering -Theory & Practice, 2010, 30(7): 1253-1258. (in Chinese)
- [42] Zeng Bo; Liu Sifeng; Meng Wei. Development and Application of MSGT6.0 (Modeling System of Grey Theory 6.0) Based on Visual C# and XML . JOURNAL OF GREY SYSTEM, 2011, Vol.23, No.2.

pp.145-154

- [43] Liu Sifeng, Xie Naiming, Forrest Jeffery. Novel models of grey relational analysis based on visual angle of similarity and nearness [J]. Grey Systems: Theory and Application. 2011, 1(1): 8-18.
- [44] LIU Si-feng FANG Zhi-geng XIE Naiming. On Algorithm Rules of Interval Grey Numbers based on the “Kernel” and the degree of greyness of grey numbers. Systems Engineering and Electronics, 2010,32(2): 313-316
- [45] Chaoqing Yuan, Sifeng Liu. The Impact on Chinese Economic Growth and Energy Consumption of the Global Financial Crisis: An Input-output Analysis. Will appear in Energy, 2010
- [46] Chaoqing Yuan, Sifeng Liu. The Relation among Energy Prices and Energy Consumption in China. Energy Policy, 2010. 38 (1): 5189-5198
- [47] Xie, NM; Liu, SF. Novel methods on comparing grey numbers. APPLIED MATHEMATICAL MODELLING, Vol. 34, No.2, pp 415-423,2010
- [48] Sifeng Liu, Jeffrey Forrest, Robert Vallee. Emergence and development of grey systems theory. Kybernetes,2009, 38(7-8), pp.1246 - 1256
- [49] Chaoqing Yuan, Sifeng Liu. Research on Energy-saving Effect of Technical Progress based on Cobb-Douglas Production Function. Energy Policy, 2009. 37 (8) ,pp 2842-2846
- [50] Chaoqing Yuan, Sifeng Liu. Research on the Energy-saving Effect of Energy Policies in China:1982-2006. Energy Policy, 2009. 37 (7) , pp 2475-2480
- [51] Qiao-Xing Li and Si-Feng Liu. Some results about grey mathematics. Kybernetes. 2009, Vol.38, No.3/4: 297-305.
- [52] Qiao-Xing Li and Si-Feng Liu. The grey input-occupancy-output analysis. Kybernetes. 2009, Vol.38, No.3/4: 306-314.
- [53] Li Qiaoxing, Liu Sifeng. The Foundation of the Grey Matrix and the Grey Input-output Analysis. Applied Mathematic Modeling, 2007, 31(9)
- [54] Duan Li-zhong, Liu Sifeng, Lu Qi. Study on the Determination of the Moving Step Length in Moving Method of Mean. Journal of Beijing University of Technology, 2004, 30(3): 378—381-256
- [55] Zhang, K; Liu, SF. A Novel Algorithm of Image Edge Detection Based on Matrix Degree of Grey Incidences. The of JOURNAL OF GREY SYSTEM Vol. 21, No. 3, pp 231-240,2009
- [56] Su, CH; Liu, SF. The p-moment exponential robust stability for stochastic systems with distributed delays and interval parameters. APPLIED MATHEMATICS AND MECHANICS-ENGLISH EDITION. Vol. 30, No. 7, pp: 915-924
- [57] Xie, NM; Liu, SF. Research on evaluations of several grey relational models adapt to grey relational axioms. JOURNAL OF SYSTEMS ENGINEERING AND ELECTRONICS, Vol. 20, No. 2, pp 304-309, 2009
- [58] Cui, J; Dang, YG; Liu, SF. The Approximation Procedure of Whitening Response in GM(1,1) and Its Applications. The of JOURNAL OF GREY SYSTEM Vol. 21, No. 1, pp 49-60,2009
- [59] Yao, TX; Liu, SF; Xie, NM. On the properties of small sample of GM(1,1) model. APPLIED MATHEMATICAL MODELLING, Vol. 33, No. 4, pp 1894-1903, 2009
- [60] Lin Yi & Liu Sifeng. Economic yoyos and some mysteries about child labor. KYBERNETES, Vol.38, No.1-2, pp 118-140, 2009
- [61] Zhu, JJ; Zhu, NN; Liu, SF, et al. Research on consistency measurement and weight estimation approach of hybrid uncertain comparison matrix, JOURNAL OF SYSTEMS ENGINEERING AND ELECTRONICS, Vol.19, No. 6, pp 1145-1150, 2008
- [62] Wu, ZP; Liu, SF; Mi, CM, et al. Study on the sequence of weakening buffer operator based on

old weakening buffer operator. The of JOURNAL OF GREY SYSTEM, Vol. 20, No. 3, pp 229-234 ,2008

[63] Wu, ZP; Liu, SF; Mi, CM, et al. Study on the strengthening sequence of the strictly monotonic function. The of JOURNAL OF GREY SYSTEM, Vol. 20, No. 3, pp 265-272 ,2008

[64] Liu, SF; Forrest, J. The current developing status on grey system theory. The of JOURNAL OF GREY SYSTEM, Vol. 19, No. 2, pp 111-123 ,2007

[65] Mi, CM; Liu, SF; Yuan, XM. Study on 2-tuple linguistic assessment method based on grey clustering. The of JOURNAL OF GREY SYSTEM, Vol. 19, No. 2, pp 257-268 ,2007

[66] Lin Yi & Liu Sifeng. National economic strength evaluated using grey systems theory. KYBERNETES, Vol.36, No.1-2, pp 89-97, 2007

[67] Lin Yi & Liu Sifeng. Solving problems with incomplete information: A grey systems approach. ADVANCES IN IMAGING AND ELECTRON PHYSICS, VOL 141, pp 77-174, 2006

[68] Lin Yi & Liu Sifeng. Law of Exponentiality and Exponential Curve Fitting, Systems Analysis Modelling Simulation(SAMS), 38: 621-636, 2000.

[69] Lin Yi & Liu Sifeng, Regional Economic Planning Based on Systemic Analysis of Small Samples (I), Problems of Nonlinear Analysis in Engineering Systems, Vol.2, No.10: 24-33, 1999.

[70] Lin Yi & Liu Sifeng, Regional Economic Planning Based on Systemic Analysis of Small Samples (II), Problems of Nonlinear Analysis in Engineering Systems, Vol.6, No.11: 33-49, 2000.

[71] Lin Yi & Liu Sifeng, Several Programming Models with Unascertained Parameters and Their Application, Journal of Multi-Criteria Decision Analysis, 8: 206-220, 1999.

[72] Liu Sifeng & Dang Yaoguo, Technical Change and the Funds for Science and Technology, Kybernetes: The International Journal of Systems & Cybernetics, Vol.33, No.2: 295-302, 2004.

[73] Liu Sifeng & Dang Yaoguo, The Positioned Solution of the Linear Programming with Grey Parameters, Advance in Systems Science and Application, Vol.3, No.1: 371-377, 1997.

[74] Liu Sifeng & Deng Julong, GM(1,1) Coding for Exponential Series, The Journal of Grey System. Vol.11, No.2: 147-152, 1999.

[75] Liu Sifeng & Deng Julong, The Range Suitable for GM(1,1), The Journal of Grey System, Vol.11, No.1: 131-138, 1999.

[76] Liu Sifeng & Forrest, J., the Role and Position of Grey System Theory in Science Development, The Journal of Grey System, Vol.9, No.4: 351-356, 1997.

[77] Liu Sifeng & Wang Zhanying, Entropy of Grey Evaluation Coefficient Vector, The Journal of Grey System, Vol.12, No3, 2000.

[78] Liu Sifeng & Zhu Yongda, Grey-Econometrics Combined Model, the Journal of Grey System, Vol.8, No.1:103-110, 1996.

[79] Liu Sifeng & Zhu Yongda, Study on Triangular Model and Indexes in Synthetic Evaluation of Regional Economy, In: Mianyun Chen, Systems Control Information Methodologies & Applications, HUST Publishing House: 1274-1279, 1994.

[80] Liu Sifeng, Axiom on Grey Degree, the Journal of Grey System, Vol.8, No.4: 397-400, 1996.

[81] Liu Sifeng, Dang Yaoguo & Lin Yi, Synthetic Utility Index Method and Venturous Capital Decision-Making, Kybernetes: The International Journal of Systems & Cybernetics, Vol.33, No.2: 288-294, 2004.

[82] Liu Sifeng, Generalized Degree of Grey Incidence, In: Zhang Shengkai, Information and Systems, Dalian: DMU Publishing House: 113-116, 1992.

[83] Liu Sifeng, Grey Forecast of Drought and Inundation in Henan Province, The Journal of Grey

System, Vol.6, No.4: 279-288, 1994.

[84] Liu Sifeng, Li Bingjun & Dang Yaoguo, The G-C-D Model and Technical Advance, *Kybernetes: The International Journal of Systems & Cybernetics*, Vol.33, No.2: 303-309, 2004.

[85] Liu Sifeng, On Measure of Grey Information, *the Journal of Grey System*, Vol.7, No.2: 97-101, 1995.

[86] Liu Sifeng, On Perron-Frobenius Theorem of Grey Nonnegative Matrix, *Journal of Grey System*, Vol.1, No.2: 157-166, 1989.

[87] Liu Sifeng, The Three Axioms of Buffer Operator and Their Application, *Journal of Grey System*, Vol.3, No.1: 39-48, 1991.

[88] Liu Sifeng, Von Neumann's Economic Growing Turnpike of Henan Province, In: Zheng Weimin, *Systems Science and Systems Engineering*, Beijing: International Academic Publishers: 316-319, 1993.

[89] Liu, K.L., Lin, Y.X., Dal, G. Grey Predicting the Structural Failure Load, *Journal of Grey System*, Vol.13, No.2, 2001.

[90] Liu, Sifeng, Lin, Yi, et al. On measures of information content of grey numbers. *Kybernetes*. 2006, Vol.35, No.5: 899-904.

[91] Sifeng Liu. On index system and mathematical model for evaluation of scientific and technical strength. *Kybernetes: The international journal of systems & cybernetics*, 2006, vol.35, no.7-8:1256-1264

[92] Liu, S.F. Fang, Z.G. Lin, Y. Study on A New Definition of Degree of Grey Incidence. *Journal of Grey System*, 2006, 9(2): 115-122

[93] Yaoguo Dang, Sifeng Liu and Cuanmin Mi. Multi-attribute grey incidence decision model for interval number. *Kybernetes: The international journal of systems & cybernetics*, 2006, vol.35, no.7-8:1265-1272

[94] Shi Kaiquan & Liu Sifeng, Grey Relation $G(2)$ on (X, Γ) , *The Journal of Grey System*, Vol.6, No.2: 109-118, 1994.

[95] Xie Naiming, Liu Sifeng, Research on the Order-keeping Property of Several Grey Relational Models, *Journal of Grey System*, 2008, Vol.11, No.3:157-164.

[96] Xie Naiming, Liu Sifeng, Discrete grey forecasting model and its optimization, *Applied Mathematical Modelling*, 2009, Vol.33, No.1: 1173-1186.

[97] Xie Naiming, Liu Sifeng, Research on evaluations of several grey relational models adapt to grey relational axioms, *Journal of Systems Engineering and Electronics*, 2009, Vol.20, No.2: 304-309.

[98] Dang Yaoguo & Liu Sifeng, The GM Models that $x(n)$ be Taken as Initial Value, *Kybernetes: The International Journal of Systems & Cybernetics*, Vol.33, No.2: 247-254, 2004.

[99] Dang Yaoguo, Valuation of Grey Clustering with Human Experience, *The Journal of Grey System*, Vol.7, No.2: 179-184, 1995.

[100] Dang, YG, Liu, SF, et al. Multi-attribute grey incidence decision model for interval number. *Kybernetes*. 2006, Vol.35, No.7: 1265-1272.

[101] Fang Zhigeng, Liu Sifeng & Dang Yaoguo, Algorithm Model Research of the Logical Cutting Tree on the Network Maximum Flow, *Kybernetes: The International Journal of Systems & Cybernetics*, Vol.33, No.2: 255-262, 2004.

[102] Jian, Lirong and Liu, Sifeng. The definition of grey degree of grey number based on rough membership function and grey rough approximation. *Journal of information and decision science*, 2008, 3(1):13-25

- [103] LUO Dang, LIU Sifeng. Study on the Grey Polynomial Geometric Programming, Chinese Annals of Mathematics, Vol. 25(1): 38-46
- [104] Liu Bin, Chen Jian and Liu Sifeng. Supply Chain Coordination with the Combined Contract for a Short-Life-Cycle Product. IEEE Transaction on System, Man and Cybernetics, Part A: humans and systems.2005,35 (6)
- [105] Liu Bin, Liu Sifeng and Chen Jian. Supply Chain Coordination with the Combined Contract under the Risk-Averse Retailer, The Journal of Systems Science and Information (UK). 2005,4(4)
- [106] Yang Wenhan, Liu Sifeng, Wang Yan. The Grey Prediction of Change Trend of Chinese Financial Industry's Credit Size. The Journal of Grey System, 2006, Vol. 18, No. 3:67-74
- [107] Zhigeng Fang, Sifeng Liu, Aiqing Ruan and Xuewei Zhang. Study on venture problem of potential optimal pure strategy solution for grey interval number matrix game. Kybernetes: The international journal of systems & cybernetics, 2006, vol.35, no.7-8:1273-1283

Other more than 500 papers in Chinese(omitted)

Papers Published in full in Official Proceedings

- [108] Liu, SF; Forrest, J; Xie, NM, et al. On a Sort of New Grey Incidence Models. Proceedings of 2008 IEEE International Conference on System, Man, and Cybernetic, pp 1651-1656, 2008
- [109] Mi, CM; Liu, SF; Chang, ZS, et al. Study on the Sequence of Strengthening Buffer Operator based on Back Cumulative-sum Method. Proceedings of 2008 IEEE International Conference on System, Man, and Cybernetic, pp_1637-1641, 2008
- [110] Jian, LR; Liu, SF. The Post Evaluation of Construction Project Based on Dominance-based Rough Set and GRA. Proceedings of 2008 IEEE International Conference on System, Man, and Cybernetic, pp_1657-1662, 2008
- [111] Liu Sifeng, Fang Zhigeng. Study on algorithm of grey numbers and grey algebraic system. Proceedings of 2006 IEEE International Conference on System, Man, and Cybernetic, pp 2272-2276, 2006
- [112] Liu, SF; Lu, XM; Lin, Y .Grey cognition on brain obstruction and psychological health evaluation. Proceedings of 2005 IEEE International Conference on System, Man, and Cybernetic, pp 628-633, 2005
- [113] Liu, Sifeng, Lin, Yi. An axiomatic definition for the degree of greyiness of grey numbers. Proceedings of 2004 IEEE International Conference on Systems, Man and Cybernetics, 2004: 2420-2424.
- [114] Dang yaoguo, Liu Sifeng & Ping Xueliang, the Study of Grey Synthetic Decision Appraisal Model, Proceedings of the 32nd International Conference on Computers& Industrial Engineering, 542-547, 2003.
- [115] Tang Xuewen, Liu Sifeng & Liu Bin, Predicting the Total Investment in Jiangsu with Grey System Model, Proceedings of the 32nd International Conference on Computers& Industrial Engineering, 538-541, 2003.
- [116] Xie Naiming, Liu Sifeng. Research on discrete grey model and its mechanism, IEEE International Conference on Systems, Man and Cybernetics, v 1, IEEE Systems, Man and Cybernetics Society, Proceedings of 2005 International Conference on Systems, Man and Cybernetics, 2005:606-610.

- [117] Xie Naiming, Liu Sifeng. Research on the multiple and parallel Properties of Several Grey Relational Models, Proceedings of IEEE International Conference on Grey Systems and Intelligent Services, 2007: 183-188.
- [118] Fang Zhigeng & Liu Sifeng, Grey Matrix Model based on Pure Strategy [A]. Mohamed I. Dessouky, Cathal Heavey, eds. Proceedings of the 32nd International Conference on Computers & Industrial Engineering[C]. Gemini International Limited Dublin, Ireland, 520-525, 2003.
- [119] Liu Sifeng, Emergence and Development and Forward Trends of Grey Systems Theory, Proceedings of the 32nd International Conference on Computers & Industrial Engineering, 526-531, 2003.
- [120] Liu Sifeng, Chen Kejia & Liu Jin, Quantitative Assessment of SCM in the Air Conditioning Industry in China, Proceedings of 4th International Conference on Industrial Engineering and Management Systems, RMIT Press, 365-369, 2002.
- [121] Liu Bin, Liu Sifeng & Dang Yaoguo, the GST-Based Data Mining Techniques of Time Sequences, Proceedings of the 32nd International Conference on Computers & Industrial Engineering, 548-553, 2003.
- [122] Wang Ziliang Liu Sifeng. Trend testing of Grey Dynamic Models. IEEE SMC 2004 Conference Proceedings: 2004 IEEE International Conference on Systems, Man & Cybernetics, 2004, pp. 2437-2442
- [123] Tao Yong, Sifeng Liu and Zhigeng Fang. Analysis of the Grey Matrix Game Model in Stock Speculation for Immediate Price-Margin Based on Grey Information. IEEE SMC 2004 Conference Proceedings: 2004 IEEE International Conference on Systems, Man & Cybernetics, 2004, pp. 2409-2414
- [124] Dang Yaoguo, Liu Sifeng, Liu Bin, Tang Xuewen. Study on Grey Synthetic Cluster Appraisal Model. IEEE SMC 2004 Conference Proceedings: 2004 IEEE International Conference on Systems, Man & Cybernetics, 2004, pp. 2398-2402
- [125] Yi Lin, Sifeng Liu. A Historical Introduction to Grey Systems Theory. IEEE SMC 2004 Conference Proceedings: 2004 IEEE International Conference on Systems, Man & Cybernetics, 2004, pp. 2403-2408
- [126] Fang Zhigeng, Liu Sifeng, Ruan Aiqing. Study on Chain Structure Model of Evolutionary Game Based on Asymmetric Case. IEEE SMC 2004 Conference Proceedings: 2004 IEEE International Conference on Systems, Man & Cybernetics, 2004, pp. 5818-5823
- [127] Liu Bin, Liu Sifeng and Zhang Rong. An Optimal Inventory Model with Deterministic demand under Renting-warehouse, Proceedings of Management Science and Engineering of 2004. August 2004: 669~673.
- [128] Liu Bin, Chen Jian and Liu Sifeng. A Dynamic Model of the Combined Contract for a Short-Life-Cycle Product. Service System and Service Management-Proceedings of ICSSSM'04. July 2004: 158~163.
- [129] Liu Bin, Chen Jian and Liu Sifeng. An Inventory Model with Constrained Newsboy under Renting-Warehouse, Proceedings of IEEE on System, Man and Cybernetics of 2004. October 2004: 6015~6020.
- [130] Liu Sifeng, Yi Lin. A New Definition on Degree of Greyness of Grey Numbers with Several Theorems IEEE NSC 2005 Conference Proceedings: 2005 IEEE International Conference on Networking, Sensing and Control, 2005,

- [131]Sifeng Liu Yaoguo Dang, Aiqing Ruan, Yingying Ren. Study on Degree of Orderliness of Regional Industrial Structure. IEEE SMC 2005 Conference Proceedings: 2005 IEEE International Conference on Systems, Man & Cybernetics,2005,pp.
- [132]Sifeng Liu, Xiumei Lu. Grey Cognition on Brain Obstruction and Psychological Health Evaluation. Proceedings of 2005 IEEE International Conference on Systems, Man & Cybernetics: pp. 628-633
- [133]LUO Dang, LIU Si-feng. Study on The Method for Grey Interval Clustering Decision, It has been accepted by the International Program Committee of the WOSE 13th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS,2005
- [134]Liu Bin, Liu Sifeng and Chen Jian. Supply Chain Coordination with Quantity Discounts under Uncertain Demand. Proceedings of IEEE on Networking, Sensing and Control of 2005. March 2005:976~981
- [135]Liu Bin, Liu Sifeng, Chen Jian,et al. Mean-Variance Analysis for Supply Chain Coordination with the Combined Contract. Proceedings of IEEE on Networking, Sensing and Control of 2005. March 2005:650~655
- [136]Liu Bin, Chen Jian and Liu Sifeng. The Optimal Ordering Policy for a Short-Life-Cycle Product Under Bayesian Updating. Service System and Service Management-Proceedings of ICSSSM'05. June 2005
- [137]Liu Bin, Chen Jian and Liu Sifeng. The Jointed Decision Model on Ordering and Pricing for a Short-Life-Cycle Product. Proceeding of IEEE on Service Operations and Logistics, and Informatics of 2005. August 2005
- [138]Si-feng Liu, Zhi-geng Fang. Study on Algorithm of Grey Numbers and Grey Algebraic System . Proceedings of 2006 IEEE International Conference on Systems, Man & Cybernetics: pp. 2272-2276
- [139]Chaoqing Yuan, Sifeng Liu. Industrial Restructuring of Jiangsu Based on Grey Linear Programming Model Considering Energy-saving. Proceedings of IEEE International Conference on Grey Systems and Intelligent Service, 2009
- [140]Yang Wen-han, Liu Si-feng, Incentive Study Based on the Credit Rank Option. Proceeding of 2005 International Conference on Management Science and Engineering. 2005,pp:1063-1067
- [141]Xuejun Tang, Liu Sifeng, Grey System Evaluation of the Enterprise Sustainable Growth Competence. Proceedings of IEEE on System, Man and Cybernetics of 2005, October 2005
- [142]Chunguang Zhou, Xuejun Tang, The Grey Incidence Analysis on the SIC of the ECYR in Jiangsu. Proceedings of IEEE on System, Man and Cybernetics of 2005, October 2005
- [143]S.X. Wu,S.F. Lui, M.Q. Li. The Method of Data Pre-processing in Grey Information Systems, Proceedings of the 9th Int. Conference on Control,Automation, Robotics and Vision,2006
- [144]S.X. Wu,S.F. Lui, M.Q. Li. Study of Grey Rough Set Model Based on Tolerance Relation, Proceedings of the 9th Int. Conference on Control,Automation, Robotics and Vision,2006
- [145]S.X. Wu.A Grey Rough Set Model Based on Grey Similarity Relation, Proceedings of IEEE International Conference on Grey Systems and Intelligent Services,2007
- [146]S.X. Wu,S.F. Lui, M.Q. Li. Study of Integrate Models of Rough Sets and Grey Systems,

- ICNC'05-FSKD'05, Springer-Verlag's Lecture Notes in Artificial Intelligence(LNAI), P1313-1323
- [147] Aiqing Ruan, Sifeng Liu, and Zhigeng Fang, Study on Grey Graphical Evaluation Review Technique Network and its Application, Proceedings of 2007 IEEE International Conference on Grey System and Intelligent Services, Nanjing, China , p1097-1100
- [148] Ruan, Aiqing; Liu, Sifeng; Zhigeng, Fang; Yong, Hu; Mingli, Hu, Study on chain model of evolutionary game of industrial cluster under strong correlation between individual pay-off and individual quantity, 6th World Congress on Intelligent Control and Automation, WCICA 2006, Dalian, China , 2006, pp 3648-3652
- [149] Ruan, Aiqing; Liu, Sifeng; Fang, Zhigeng; Xu, Xiang-Min, Study on development kinetic energy of Chinese industry and measure model of energy, 6th World Congress on Intelligent Control and Automation, WCICA 2006, Dalian, China , 2006 pp 718-722
- [150] Ruan, Aiqing; Sifeng Liu and Zhigeng Fang, Study on Chain Model of Evolutionary Game of Industrial Agglomeration Based on Symmetry Case, Proceedings of 2005 International Conference on Management Science & Engineering, Incheon, South Korea, 2005
- [151] Aiqing Ruan, Sifeng Liu, Zhigeng Fang, and Mingli Hu, "Study on Chain Model of Evolutionary Game of Industrial Agglomeration Based on Symmetry Case", 2005 IEEE International Conference on Service Operations and Logistics, and Informatics. 2005
- [152] Tian Jianyan, Liu Sifeng, Pan Lizhen. Study and Design on Automation Control System of the Thermal Power Unit from the System Point of View. Proceedings of the Seventh International Conference on Electronic Measurement & Instruments, 2005, 5: 42-45
- [153] Wang, Y; Liu, SF; Mi, CM. The Influence of OFDI on Chinese Industrial Structure-An Analysis Based on the Grey Incidence Theory. 2008 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, VOLS 1-5 ,pp 388-391, 2008
- [154] Yang, YJ; Liu, SF. Kernels of Grey Numbers and Their Operations. 2008 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, VOLS 1-5 ,pp 826-831, 2008
- [155] Liu, SF; Fang, ZG; Zhou, W, et al. A Gray Input-Output model based on the Standard Interval Grey Number. 2008 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, VOLS 1-5 ,pp 1255-1257 , 2008
- [156] Fang, ZG; Liu, SF; Yuan, CQ, et al. Forecast of Electricity Consumption of Jiangsu Province By Grey Methods. 2008 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, VOLS 1-5 ,pp 1761-1764 , 2008
- [157] Tian, M; Liu, SF; Bu, ZK . Review of the Algorithm models of Degrees of Grey Incidence. 2008 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, VOLS 1-5 ,pp 2164-2170 , 2008

Citations

The literatures had been cited more than 30 thousands by other scholars, including 23809 citations from China National Knowledge Infrastructure(CNKI), 7561 citations by Google Scholar Data Base.

Funded Grants and Contracts

Recent

Marie Curie International Incoming Fellowship within the 7th European Community Framework

Programme," Grey Systems and Its Application to Data Mining and Decision Support" (Grant No. FP7-PIIF-GA-2013-629051)

National Natural Science Foundation of China and the Royal Society of U.K. "Grey System Theory and Computational Intelligence" (Grant No. 7111130211), 2011-2012

National Social Science Foundation of China, "How to Break Through the Bottle-neck of innovation System" (Grant No. 10zd&014), Major project, 2010-2013

National Natural Science Foundation of China, "On the experimental and calculating model of unconventional emergency scenic deduction"(Grant No. 90924022), a cultivated project in a major plan, 2009-2011

National Social Science Foundation of China, "On the strategy to build regional innovation system" (Grant No. 08AJY024), Key project, 2008-2010

The Foundation for Doctoral Programs of the Chinese National Ministry of Education, "Research on grey prediction model", (Grant No. 200802870020) ,2009-2010

Past

United Nations Development Programme(UNDP), "China End Use Energy Efficiency Project"(Grant No. C27: 00035738), 2008-2009

National Soft Science Foundation of China, "Study on the cruces to cultivated the regional rising industries" (Grant No. 2008GXS5D115), Key project, 2008-2009

National Natural Science Foundation of China, ""(Grant No. 70473037), 2005-2008

The Science Foundation of the Chinese National Ministry of Education, "Study on flow of regional productive forces and its rational distribution "(Grant No.08JA630039), 2007-2009

Science Foundation for the Excellent and Creative group in Science and Technology of Nanjing University of Aeronautics and Astronautics (Grant No. 1009-05002), 2005-2008

Science Foundation for the Excellent and Creative group in Science and Technology of Jiangsu Province (Grant No.Y0553-091), 2007-2009

Soft Science Foundation of Jiangsu Province, "The 11th five years plan of Science and Technology Development in Jiangsu Province" (Grant No. BR2004035) , Major project, 2004-2005

The Foundation for Doctoral Programs of the Chinese National Ministry of Education, "Research on grey prediction model" (Grant No. 20020287001) ,2002-2006

Natural Science Foundation of Jiangsu Province, "On mathematical foundation of grey systems theory", (Grant No. BK2003211), Key project, 2003-2007

Public Bidding Project of UTC, "Quantitative Assessment of Supply Chain Optimization in China" , (Grant No.Bid.7), 2001-2002

Science Foundation for Top Ten Outstanding Young Scientists of Henan Province, "On grey systems theory and Applications", (Grant No. 9500111200)" ,1995-1998

Natural Science Foundation of Henan Province, "On the methods and Models for natural calamities prediction" (Grant No. 930040200), 1993-1995

Soft Science Foundation of Henan Province, "The 10th five years plan of Science and Technology Development in Henan Province" (Grant No. 940070100) , Major project, 1994-1995

Soft Science Foundation of Henan Province, "The 9th five years plan of Science and Technology Development in Henan Province" (Grant No. 890070100) , Major project, 1989-1990

Soft Science Foundation of Henan Province, "The 7th five years plan of Science and Technology Development in Henan Province" (Grant No. 840070100) , Major project, 1984-1985

Invited Talks

- On the Rootstock of lack innovation and Countermeasures, keynote speech at Conference of Leaders of Business School and the MBA Forum of China, 4 Dec., 2014
- How to prepare a proposal, Nanjing University of Aeronautics and Astronautics , 3 Dec., 2014
- Advances in Grey System Research, Shanghai Maritime, 1 Dec., 2014
- How to prepare a proposal, Shanghai Dianji University, 1 Dec., 2014
- How to find your Life field. Southeast University, 23 October, 2014
- On the Rootstock of lack innovation and Countermeasures, keynote speech at the 2013 conference of Systems Engineering Society of Jiangsu Province, 10 November, 2013
- How to prepare a proposal, Nanjing Audit University, 11 March, 2013
- Advances in Grey System Theory and Applications, Nanjing University of Chinese Medicine, 14 May, 2012
- On the Rootstock of lack innovation and Countermeasures, keynote speech at Cuiping Forum, 7 May, 2012
- Advances in Grey Incidence Models. plenary lecture at the 23rd Conference on Grey Systems Theory and Applications of China, Shanghai, 21 April, 2012
- On Grey Models which used most commonly, De Montfort University, 6 September, 2012
- Summary on Grey Systems Theory and Applications, De Montfort University, 3 August, 2011
- On Grey Systems Theory and Its Applications, Zhengzhou University, 9 October, 2011
- On Grey Systems Theory and Its Applications, Nanjing Audit University, 29 October, 2011
- Grey Systems Theory and Applications, Zhejiang Normal University, 5 October, 2011
- Grey Systems Theory and Its Applications, Beijing Jiaotong University, 15 August- 21 August, 2011
- On innovation system evaluation and innovation sources collocation, Nanjing Industrial University, 8 May, 2011
- On emergency Management, Southwest Jiaotong University, 14 October, 2011
- Advance in Grey Systems Theory and Applications, New York Institute of Technology, 10 July-15July, 2010
- Advance in Grey Systems Theory and Applications, China Agricultural University(The East Campus), 22 April, 2010
- Grey Systems Theory and Its Applications, Southeast University, 28 December, 2010
- Advance in Grey Systems Theory and Applications, Zhejiang University of Finance and Economics, 16 October, 2010
- How to realize the value of one life, Nanjing University of Finance and Economics, 5 September, 2010
- Grey Systems Theory and Applications, SunYat-Sen University, 12 March, 2011
- On Astray of Complicated Model for Uncertain Systems, keynote speech at 2009 IEEE International Conference on Grey Systems and Intelligent Service, Nanjing, China, 11 November, 2009
- Technical innovation and industrial growing, plenary lecture at the 7th forum on Management Science and Engineering of China, Wuhan, 17 November, 2009
- On Grey Systems Theory and Its Applications, Northwestern Polytechnical University, Xian, 24 December, 2009
- On Grey Systems Theory and Its Applications, Hohai University, 11 May, 2009
- On Grey Systems Theory and Applications, Nanjing University of Posts and Telecommunications, 4,

April, 2008

On Grey Systems Theory and Applications, Nanjing University of Science and Technology, 6 November, 2008

On Grey Systems Theory and Applications, Yangzhou University, 10 September, 2008

On Grey Systems Theory and Applications, Jiangsu University of Science and Technology, 17 October, 2008

How to realize the value of one life, Henan Agricultural University, 19 November, 2006

On Grey Systems Theory and Applications, Henan Agricultural University, 19 November, 2006

Grey Number and Their Operations, North China University of Water Resources and Electric Power, 20 November, 2006

How to realize the value of one life. Zhengzhou Institute of Aeronautical Industry Management, 21 November, 2006

On Grey Systems Theory and Applications, Henan Industrial University, 22 November, 2006

Advances in Grey Systems Theory and Its Applications, plenary lecture at the 14th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS OF WOSC'08, Wroclaw, Poland, 10 September, 2008

A new grey incidence analysis model, plenary talk at the GSSC 16th Conference on Grey Systems and Applications, China Center of Advanced Science and Technology, Beijing, 14 April, 2008

An Evaluation System on Development of Science and Technology Park, plenary lecture at the Asia Pacific Regional Workshop on Science and Technology Park Development, United Nations Educational, Scientific and Cultural Organization(UNESCO), Jakarta, Indonesia, 3 September 2007,

Research on Grey Systems Theory, plenary talk at the Seminar of China Frontier, European Institute of Innovation and Technology (EIT), Brussels, Belgium, 10 May, 2007

On Algorithm of Interval Grey Numbers, keynote speech at 2007 IEEE International Conference on Grey Systems and Intelligent Service, Nanjing, China, 19 November, 2007

The main reasons for continuing growth of grey systems theory, plenary talk at the GSSC 14th Conference on Grey Systems and Applications, China Center of Advanced Science and Technology, Beijing, 26 September, 2006

On Grey Systems Theory and Its Applications, Chinese Academy of Sciences, Beijing, 28 September, 2006

Services

Experiences as editorial members, special issues, editors, etc.

Editor-in Chief. *The Journal of Grey System* (Research Information, United Kingdom), 2013-present,

Editor-in Chief. *Grey Systems: Theory and Application*(Emerald, United Kingdom), 2011-present,

Guest Editors. *Kybernetes: The International Journal of Systems & Cybernetics*, Vol. 41, No. 7-8, 2012

Guest Editors. *Kybernetes: The International Journal of Systems & Cybernetics*, Vol. 41, No. 5-6, 2012

Member of Editorial board of *The Journal of Grey System* (Buckinghamshire, United Kingdom), 1995-present,

Member of Editorial board of *Scientific Inquiry* (Slippery Rock, Pennsylvania), 2006-present

Member of Editorial board of *Journal of Grey System* (Taiwan, China), 2005-present

Member of Editorial board of *Chinese Journal of Management Science*(Beijing, China), 1998-present
 Member of Editorial board of *Systems Theory and Applications*(Nanjing, China), 2003-present
 Member of Editorial board of *Systems Science and Comprehensive Studies in Agriculture*(Harbin, China), 1995-present
 Member of Editorial board of *the Journal of Nanjing University of Aeronautics and Astronautics*(Nanjing, China),2000-present
 Member of Editorial board of *Science & Technology Progress and Policy*, 2007-present
 Editor-in Chief. Proceedings of 2011 IEEE International Conference on Grey Systems and Intelligent Service, IEEE Publisher, 2011
 Editor-in Chief. Proceedings of 2009 IEEE International Conference on Grey Systems and Intelligent Service, IEEE Publisher, 2009
 Editor-in Chief. Proceedings of 2007 IEEE International Conference on Grey Systems and Intelligent Service, IEEE Publisher, 2007
 Editor. Vol. 5 of Proceedings of WOSC 13th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS, 2005
 Guest Editors. *Kybernetes: The International Journal of Systems & Cybernetics*, Vol. 33, No. 2, 2004
 Editor-in Chief. Proceedings of GSSC 16th Conference on Grey Systems and Applications(in Chinese), China Center of Advanced Science and Technology, 2008
 Editor-in Chief. Proceedings of GSSC 14th Conference on Grey Systems and Applications(in Chinese), China Center of Advanced Science and Technology , 2006
 Editor-in Chief. Proceedings of GSSC 9th Conference on Grey Systems and Applications(in Chinese), Press of Huazhong University of Science and Technology, 1996
 Editor-in Chief. Proceedings of GSSC 8th Conference on Grey Systems and Applications(in Chinese), Henan University Press, 1993

Society and conference service

Natural Science Foundation of China(NSFC), Proposal review panelist, Management Science and Engineering, 1995- present; Mathematics, 2002; Systems Engineering, 1999,2004
 Foundation for Post-Doc. Research, Proposal review panelist, Management Science and Engineering, 2004-2006,2008
 The Foundation for Doctoral Programs of the Chinese National Ministry of Education, Proposal review panelist, Management Science and Engineering, 2002-2005,2007-2012
 Chinese National Ministry of Education, the basic requirements of teaching, the course on Methods and Technology for Prediction, 2002-2003
 Chinese National Ministry of Education, the standard of program on Industrial Engineering, 2008-2012
 Jiangsu Province, The head of Professor Promotion Committee in Management Engineering, 2004-present
 Jiangsu Province, Member of Professor Promotion Committee in Management Engineering, 2000-2003
 Henan Province, Member of Professor Promotion Committee in Mathematics, 1993-1994
 Henan Province, Member of Professor Promotion Committee in Management Engineering, 1996,1998
 General Chair of 2009 IEEE International Conference on Grey Systems and Intelligent Services, Nanjing, 10-12 November, 2009
 Organizer and Chair of the Track on Grey Systems at IEEE International Conference on Systems, Man

& Cybernetics, San Antonio, Texas, USA, 11-14 October, 2009

Organizer and Chair of the Track on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, Suntec Singapore, 12-15 October, 2008

Member of International Honorary Committee of WOSC 14th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS, Wroclaw, Poland, 9-12 September, 2008

General Chair of 2011 IEEE International Conference on Grey Systems and Intelligent Services, Nanjing, 15-18 September, 2011

General Chair of 2009 IEEE International Conference on Grey Systems and Intelligent Services, Nanjing, 10-12 November, 2009

General Chair of 2007 IEEE International Conference on Grey Systems and Intelligent Services, Nanjing, 18-20 November, 2007

General Chair of WOSC 15th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS, Nanjing, China, 15-18 September, 2011.

Organizer and Chair of the Track on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, Alaska, USA, 9-12 October, 2011

Organizer and Chair of the Track on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, Istanbul, Turkey, 10-13 October, 2010

Organizer and Chair of the Track on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, San Antonio, USA, 10-12 October, 2009

Organizer and Chair of the Track on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, Singapore, 12-15 October, 2008

Organizer and Chair of the Track on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, Montreal, Canada, 7-10 October, 2007

Organizer and Chair of the Session on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, Taipei, Taiwan on Oct. 8 - 11 , 2006

Organizer and Chair of the Session on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, Hawaii, USA, October 10-12, 2005

Member of International Patrons Committee of WOSC 14th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS, Wroclaw, Poland, 9-12 September, 2008.

Member of International Patrons Committee of WOSC 13th INTERNATIONAL CONGRESS OF CYBERNETICS AND SYSTEMS, Maribor, Slovenia, 6-10 July, 2005.

Organizer and Chair of the Session on Grey Systems at IEEE International Conference on Systems, Man & Cybernetics, The Hague, The Netherlands, October 10-13, 2004

Chair of GSSC 23rd Conference on Grey Systems and Applications, China Center of Advanced Science and Technology, Beijing, 20-22 April, 2012

Chair of GSSC 19th Conference on Grey Systems and Applications, China Center of Advanced Science and Technology, Beijing, 16-21 April, 2010

Chair of GSSC 16th Conference on Grey Systems and Applications, China Center of Advanced Science and Technology, Beijing, 14-18 April, 2008

Chair of GSSC 14th Conference on Grey Systems and Applications, China Center of Advanced Science and Technology , Beijing, 26-30 September, 2006

Co-chair of GSSC 9th Conference on Grey Systems and Applications, Huazhong University of Science and Technology, Wuhan, 9-11 October, 1996

Chair of GSSC 8th Conference on Grey Systems and Applications, Henan Agricultural University,

Zhengzhou, 11-13 November, 1993

Internal Committee Service at Nanjing University

Member of Professor Promotion Committee, Economics and Management, 2012

Member of Professor Promotion Committee, Economics and Management, 2011

Member of Professor Promotion Committee, Economics and Management, 2010

Member of Professor Promotion Committee, Economics and Management, 2009

Internal Committee Service at Nanjing University of Aeronautics and Astronautics

Member of Professor Promotion Committee, 2001- present

Member of Special Promotion Committee, Introduced talents, 2004- present

Head of Professor Promotion Committee, Economics and Management, 2001- present

Member of Academic Committee, 2001- present

Chair of Academic Committee of College of Economics and Management, 2001- present

Chief Professor of the Ph.D. program on Management Science and Engineering, 2001-present

Internal Committee Service at Henan Agricultural University

Member of Professor Promotion Committee, 1993-1995

Member of Professor Promotion Committee, 1997-1999

Chair of Department of Mathematics, 1994-1997

Chief Professor of the M.S. degree program on Agricultural Systems and Management Engineering, 1994-1999

Ph.D. Students Supervision as the Major Professor

Current

- 1) Mathematics Basis of Grey Systems Prediction Models—Wei Meng, started in 2010
- 2) On manufacturing management of complicated productions based on complex, uncertain systems theory—Yaping Li (with Prof. Zhigeng Fang), started in 2011
- 3) On Grey Systems Prediction Models—Lifeng Wu (with Prof. Yingjie Yang), started in 2011
- 4) On Grey Systems Theory—Jiefang Liu, started in 2012
- 5) On Grey Systems Theory—Xiaojun Guo (with Prof. Yingjie Yang), started in 2012
- 6) On Grey Systems Theory—Shiquan Jiang, started in 2013
- 7) On manufacturing management of complicated productions based on complex, uncertain systems theory—Liangyan Tao, started in 2014
- 8) On Grey Systems Theory—Changhai Lin, Overseas student from Germany, started in 2014

Former

- 1) Study on the Methods of interactive multi-attribute decision-making and Its Applications—Rong Zhang, graduated in 2010
- 2) Stock Liquidity, Returns and Investment Choice—Xiaojun Chu, graduated in 2009
- 3) The Grey Wavelet Neural Network Modeling and Control Strategy for Complex Industrial Processes—Jiyan Tian, graduated in 2008
- 4) Research on Grey Systems Modelling Technology—Naiming Xie, graduated in 2008

- 5) On Optimization Solution of Grey Prediction Model and Its Algorithm—Tianxiang Yao, graduated in 2007
- 6) Research on Grey Game Theory and Applications—Zhigeng Fang, graduated in 2007
- 7) Study on Theory and Application for Post Evaluation of Road-Bridge Investment Project—Xuewen Tang, graduated in 2006
- 8) Study on the Analytic Methods for Grey Decision-Making—Dang Luo, graduated in 2005
- 9) Study on Grey Systems Prediction and Decision-Making Models—Yaoguo Dang, graduated in 2005
- 10) The Coordination Mechanisms and Modeling of Supply Chain for a Short-Life-Cycle Product—Bin Liu, graduated in 2004
- 11) The Combined Models of Grey System with Data Envelopment Analysis (DEA) and Their Applications—Jiefang Wang, 2008
- 12) Research on Grey Forecast Technology and its Application—Lizhi Cui, 2010
- 13) Research on Objective, Approches and Policy of Chinese Energy-Saving—Chaoqing Yuan(with Dr. Zhigeng Fang), 2010
- 14) On Grey Systems Models, Algorithm and Programming—Bo Zeng, 2012