

# ***CURRICULUM VITAE***

**(9 Nov. 2014)**

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**Date of Birth:** Mar, 1965

***Current Professional Status:***

1. Professor of Economics of Department of Public Administration, Zhejiang Gongshang University
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***Research Interests:***

Public Economics; Experimental Economics; New Institutional Economics

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***Education background:***

01 Sep. 1986. – 05 July 1989, M.A. in Economics, Zhejiang University.

01 Sep. 1982 – 27 June 1986, B.S. in Laws, South-Central University for Nationalities.

***Academic work experience***

25 Nov. 2004 –, Professor in Economics, Zhejiang Gongshang University.

Nov. 1997 – 25 Nov. 2004, Associate Professor in Economics, Zhejiang Gongshang University.

Jul. 1991 – Nov. 1997, Assistant Professor in Economics, Zhejiang Gongshang University.

## ***Teaching Experience:***

Principle of Economics (undergraduate)

Public Economics (graduate and undergraduate)

New Institutional Economics (graduate and undergraduate)

## ***Main Publications:***

### **Main Papers in Recent Years:**

1. Zhijian Wang, **Bin Xu**\* & Hai-Jun Zhou\*, Social cycling and conditional responses in the Rock-Paper-Scissors game, *Scientific Reports*, 4 (2014): 5830 (SCI, SSCI)
2. **Bin Xu**, Shuang Wang, Zhijian Wang\*, Periodic frequencies of the cycles in  $2 \times 2$  games: evidence from experimental economics, *The European Physical Journal B*, (2014) 87:46 (SCI, SSCI)
3. **Bin Xu**, Hai-jun Zhou, Zhijian Wang, Cycle frequency in standard Rock - Paper - Scissors games: Evidence from experimental economics, *Physica A* 392 (2013) 4997 - 5005 (SCI, SSCI)
4. **Bin Xu**, C. Bram Cadsby\*, Liangcong Fan and Fei Song, Group Size, Coordination, and the Effectiveness of Punishment in the Voluntary Contributions Mechanism: An Experimental Investigation, *Games* (2013), 4, 89-105;
5. **Bin Xu**, Hongen Zhang, Jianbo Zhang, Zhijian Wang Test the principle of maximum entropy in constant sum  $2 \times 2$  game: Evidence in experimental economics, *Physics Letters A* (2012), 376 /1318-1322 (SCI, SSCI)
6. **Bin Xu**, Zhijian Wang, Test MaxEnt in social strategy transitions with experimental two-person constant sum  $2 \times 2$  games, *Results in Physics* 2 (2012) /127-137
7. Baojing Gu, Ying Ge, Yuan Ren, **Bin Xu**, Weidong Luo, Hong Jiang, Binhe Gu, and Jie Chang, Atmospheric reactive nitrogen in China: sources, recent trends, and damage costs, *Environmental Science & Technology* (2012) 46, 9420-9427 (SCI)
8. **Bin Xu**, Zhijian Wang, Evolutionary Dynamical Pattern of 'Coyness and Philandering': Evidence from Experimental Economics, *Unifying Themes in Complex Systems* (2011) 1313-1326
9. Jie Chang, Xu Wu, Anqin Liu, Yan Wang, **Bin Xu**, Wu Yang, Laura A. Meyerson, Baojing Gu, Changhui Peng, Ying Ge, Assessment of net ecosystem services of plastic greenhouse vegetable cultivation in China. *Ecological Economics* (2010)70: 740-748 (SCI)
10. **Bin Xu**, Liangcong Fan, Information Disclosing and Cooperation in Public Goods Game with Punishment, *The 2nd International Conference on Information Science and Engineering* P2896-2899 (2010) CFP1076H-PRT ISBN: 978-4244-8096-8 (EI)
11. CHENG Qiqi **XU Bin**, The Effect of Reputation on Antisocial Punishment in Public

Good Games, 2010 International Conference on Public Administration(ICPAth) (VolumeIII) p872-876, Published by University of Electronic Science and Technology of China Press(UESTE Press) Publisher: XinHua Book Store 2010.9 ISBN 978-7-5647-0624-1 (ISTP)

12. FAN Liang-cong **Xu Bin**, Combining Reputation and Punishment to Promote Cooperation,2010 International Conference on Public Administration(ICPAth) ( Volume III ) , p832-839 . Published by University of Electronic Science and Technology of China Press(UESTE Press) Publisher: XinHua Book Store 2010.9 ISBN 978-7-5647-0624-1 (ISTP)

13. **Bin Xu**, Liangcon Fan and Qiqi Cheng, 2009, "Research on Differences of Punishment and Reward: Evidence from Public Goods Experiments in the Stranger Condition” , ISBN 978-1-84626-072-8, Proceedings of the 2009 International Conference on Public Economics and Management, Xiamen, P.R.China, November 28-29, 2009, 2:103-108.

14. Anqin Liu, Yan Wang, **Bin Xu**, Wu Yang, Ying Ge, Xu Wu, Changhui Peng, Jie Chang, Compare the ecosystem service value of Greenhouse Agriculture in different climatic region in China: in the case of Huabei and Middle and down stream of Changjiang River, *Acta Ecologica Sinica* (2010)vol.30. 20. 5677-5686 (in Chinese)

15. Wu Yang, Jie Chang, **Bin Xu**, Changhui Peng, and Ying Ge, Ecosystem service value assessment for constructed wetlands: A case study in Hangzhou, China, *Ecological Economics*,68(1):116-125. 2008

16. **Bin Xu**, d, Write and Comment: A New Approach to Public Economics Teaching, in *New Approaches to Teaching of Politics Theory*. 2007 (in Chinese)

17. **Bin Xu**, Research on the Civil Agent of Primary Government Statistics: A Case Study of the Statistical Affair Medium in Wenling, in *New Insights into Public Administration*. 2006 (in Chinese)

18. Weidong Luo, and **Bin Xu**, Zhejiang Mode: A Summary of Regional Economic Development, *Journal of Zhejiang Provincial Party School*, (1) 2006 (in Chinese)

19. Zhangyong He, and **Bin Xu**, Theory of Real Business Cycle and Its Application in China, *Journal of Zhejiang Provincial Party School*, (5) 2005 (in Chinese)

20. **Bin Xu**, Effective Supply of Local Public Goods, in *Reform of Public Administration and Service*, Chongqing Press. 2005 (in Chinese)

21. **Bin Xu**, Tiebout Model and the Effective Supply of Local Public Goods, *Journal of Zhejiang Provincial Party School*, (1). 2005 (in Chinese)

22. Weidong Luo, and **Bin Xu**, Behavior of Local Government and the Growing of Private Economy: Lessons from Wenzhou, *Journal of Zhejiang Provincial Party School*, (5) 2004 (in

Chinese)

23. **Bin Xu**, The Advantages of Marxist Economics and its Methodological Foundation, *Zhejiang Social Science*, (1). 2004 (in Chinese)
24. **Bin Xu** and Weidong Luo, Coordination Cost, Endogenous Division of Labor and Regional Economic Development: A Comment on Gary Becker's Endogenous Growth Model, *Journal of Zhejiang University*, (2). 2003 (in Chinese)
25. **Bin Xu**, Division Evolution and Zhejiang Economy, *Zhejiang Social Science*, (1). 2003 (in Chinese)
26. **Bin Xu**, Huiling Feng, Choice of Management of impure Public Goods: An Analysis of the Management of Museum in Ningbo, *Zhejiang Economy*, (22). 2003 (in Chinese)
27. Weidong Luo, and **Bin Xu**, Change of the Thoughts in Economic Research in China from 1980s: Status and Reflection, *Collected Essays on Finance and Economics*, (4). 2002 (in Chinese)
28. **Bin Xu**, The Effects of Joining in WTO on the Clothing Industry in Zhejiang, *Journal of Hangzhou Party School*, (1). 2002, (in Chinese)
29. **Bin Xu**, and Weidong Luo, Several Understandings of the Evolution of Economic Institution of Capitalism, *Journal of Ningbo Party School*, (1) 2002 (in Chinese)
30. **Bin Xu**, A Survey of the Debate on Labor Theory of Value' from 1990s, *Zhejiang Social Science*, (2) 2002 (in Chinese)
31. **Bin Xu**, and Weidong Luo, Several Understandings on the Transition of Government Functions: Take Zhejiang as an Example, *Journal of Zhejiang Shuren University*, (1)2002 (in Chinese)
32. Weidong Luo, and **Bin Xu**, Re-explanation of Zhejiang Phenomena: A Perspective from Gary Becker's Theory, *Zhejiang Economy*, (18) 2002 (in Chinese)
33. Weidong Luo, and **Bin Xu**, Social Capital, Family Enterprises, and Zhejiang Economy, *Zhejiang Economy*, (10) 2002 (in Chinese)
34. **Bin Xu**, The Strategic Positioning and Responding Suggestions to Textiles and Clothing Industry in Zhejiang Province after Entering WTO, *Business and Management*, (6) 2001 (in Chinese)
35. **Bin Xu**, On the Mechanism of Technology Progress, *Zhejiang Social Science*, (3) 2001 (in Chinese)
36. **Bin Xu**, and Weidong Luo, The Tendency of Consumption Structure in Hangzhou and its implication on Industry Restructuring, *Journal of Hangzhou Party School*, (3) 2000 (in Chinese)
37. Weidong Luo, and **Bin Xu**, On Urbanization and the Development of Zhejiang, *Journal of Zhejiang*, (2). 2000 (in Chinese)
38. **Bin Xu**, and Weidong Luo, Human Capital Growth Mode and the Transformation of

Economic growth Mode, *Journal of Zhejiang University*, (1) 1999 (in Chinese)

39. **Bin Xu**, and Weidong Luo, On the Reform and Development of Political Economics, *Zhejiang Social Science*, (5) 1999 (in Chinese)

40. **Bin Xu**, Zhangyong He, and Shuming Lou, On the Transformation of Economic Growth Mode: A Perspective from the Neo-Growth Model, *Journal of Anhui Normal University*, (1) 1997 (in Chinese)

41. Weidong Luo, and **Bin Xu**, The Macroeconomic Control and the Rational Expectation in Socialism Market Economy, *Zhejiang Social Science*, (2) 1996 (in Chinese)

42. Weidong Luo, and **Bin Xu**, On Socialism Market Economy: lessons from Germany, *Study and Think*, (7) 1994 (in Chinese)

43. Weidong Luo, and **Bin Xu**, On Socialism Market Economy: lessons from Japan, *Study and Think*, (6) 1994 (in Chinese)

44. Weidong Luo, and **Bin Xu**, “On Socialism Market Economy: lessons from America”, *Study and Think*, (5) 1994 (in Chinese)

45. Weidong Luo, and **Bin Xu**, “A Survey of Modern Market Economic Institutions in Western Countries”, *Study and Think*, (4). 1994 (in Chinese)

#### **Books in Recent Years:**

1. **Bin Xu** (ed.), with Chunliang Chen, Xuping You, *Public Economics*, Qinghua University Press, 2012.
2. **Bin Xu** (ed.), with Chunliang Chen, Xuping You, *A Course in Public Economics*, Zhejiang Gongshang University Press, 2008.
3. Man Chen, Yueqian Xu, **Bin Xu**, *Administration of Community Public Affairs*, Beijing University of Posts and Telecommunications Press, 2007.
4. Mang Chen, **Bin Xu**, *Community Management and Service*, China Society Press, 2005.
5. **Bin Xu**, *A Primer for Public Economics: A Kind of Research Surrounding Public Goods*, Heilongjiang Remin Press, 2003.

#### **Project Experience:**

1. The effect of “exit” on cooperation behavior: an experimental investigation, Zhejiang province social scientific fund (13NDJC095YB) , host, 2013 (2013-2015.6)
2. Some non-equilibrium statistic physics problems in controlled experimental game systems, SKLTP of ITP-CAS (No. Y3KF261CJ1), participant, 2012 (2013-2014)
3. “Experimental Research and the Training of Innovation Ability of Graduate”, sponsored by

Zhejiang Gongshang University, 2009.

4. "Social Science Experiments in Teaching", sponsored by Zhejiang Gongshang University, 2008.
5. "Research on Policies to Community Management and Service Regarding Disables in Zhejiang Province", sponsored by Department of Zhejiang Science and Technology Agency, with Man Chen, 2008.
6. "Marginalization or De-marginalization: The Road from Peasant to Citizen and A Case Study in Hangzhou", sponsored by the basis of Social Science in Zhejiang Province, 2007.
7. "Research on Policies to Community Management and Service Regarding Disables", sponsored by National Disables Office of Sampling Survey, with Man Chen, 2007.
8. "Research on Policies to Community Management and Service Regarding Disables in Zhejiang Province", sponsored by Zhejiang Disable Association, with Man Chen, 2007.
9. "On the Multiple-Centers Rural Frustration Governance: Policy Supply and Institution Construction", sponsored by National Foundation of Natural Science, 2007, Participating.
10. "On the Cluster of Medium and Small Firms Based on Regional Innovation System", sponsored by National Foundation of Natural Science, 2006, Participating.
11. "On the Efficiency of Input to Regulation of Thieving Crime: A Caparison between Hangzhou and Lishui", sponsored by Social Science Association of Zhejiang, 2005-2006.
12. "On the Multiple-Centers Rural Frustration Governance: Examplng Zhejiang", sponsored by Planning of Social Science in Zhejiang, 2006, Participating.
13. "On the Transformation of Culture in Hangzhou and Industry Upgrading", sponsored by Hangzhou Administrative office of Community Party, 2005-2006.
14. "On Culture Resources and the Competitiveness Advantage of Hangzhou", sponsored by Hangzhou Administrative office of Community Party, 2004-2005.
15. "On the Improvement of Living Environment and Policy Suggestions", sponsored by Hangzhou Administrative office of Community Party, 2003-2004.
16. "On the Effective Supply of Local Public Goods", sponsored by Social Science Association of Zhejiang, 2002-2004.
17. "On the Principle-agent Mode of Statistical Survey", sponsored by Education Agency of Zhejiang Province, 2003.
18. "On Income Distribution in the Initial Stage of Socialism", sponsored by National Foundation of Social Science, 1993, Participating.

### ***Research Grants and Academic Awards:***

*Monograph "A Primer for Public Economic"* awarded the 1<sup>st</sup> order prize by Social Science Association of Zhejiang Province, 2006.

### ***Conference Paper, Working Paper and Work in Progress:***

1. Bin Xu, Shuang Wang, Zhijian Wang, Periodic frequencies of the cycles in 2\*2 games (<http://arxiv.org/abs/1208.6469v1>) (Submitted on 31 Aug 2012)
2. Bin Xu, Zhijian Wang, Do cycles dissipate when subjects must choose simultaneously? (<http://arxiv.org/abs/1208.2396v1>) (Submitted on 12 Aug 2012)
3. Zhijian Wang, Bin Xu, Evolutionary Rotation in Switching Incentive Zero-Sum Games (<http://arxiv.org/abs/1203.2591v3>) (Submitted on 12 Mar 2012 (v1), last revised 24 Jul 2012 (this version, v3))
4. Bin Xu, Zhijian Wang, Symmetry Properties of the Large-Deviation Function of the Social Rotation in Laboratory Population Games ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1988985](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1988985))(January 20, 2012)
5. Bin Xu, Zhijian Wang, Inertia of Social Rotation in Laboratory 2× 2 Population Games ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1985513](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1985513)) January 15, 2012
6. Bin Xu, Zhijian Wang, Social Transition Spectrum in Constant Sum 2x2 Games with Human Subjects ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1910045](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1910045)) August 15, 2011
7. Bin Xu, Zhijian Wang, Measurement and Application of Entropy Production in Human Subject Social Interaction (<http://arxiv.org/abs/1107.6043>) (Submitted on 29 Jul 2011)
8. Xu, B. Wang, Z, Observation of Evolutionary Velocity Field in Matching Pennies Game (<http://arxiv.org/abs/1105.3433>) (Submitted on 17 May 2011 (v1), last revised 14 Jul 2012 (this version, v2))
9. Xu, B. Wang, Z, Spontaneous Time Symmetry Breaking in System with Mixed Strategy Nash Equilibrium: Evidences in Experimental Economics Data (<http://meetings.aps.org/Meeting/MAR11/Event/137048>) 11:15 AM–2:03 PM, Monday, March 21, 2011
10. Xu, B. Ming, Y. Wang, Z. Zhang, Z., Laboratory RPS Game Experimental Evaluations of the Evolutionary Dynamics Theories ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1772540](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1772540)) Feb,2011
11. Xu, B. Wang, Z, Dynamical Pattern in a 2 × 2 Game with Human Subjects

- ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1729129](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1729129)) December 21, 2010
12. Cheng, Q. Xu, B. Wang, Z., An Alternative Approach to Compare Three Stationary Concepts: A Dummy Judgment ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1727441](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1727441)) December 17, 2010
  13. Xu, B. Wang, Z. Bertrand-edgeworth-shapley cycle in a  $2 \times 2$  game ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1700583](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1700583)) October 31, 2010
  14. Xu Bin, Fan Liangcong, Asymmetries of Giving and Punishment: Evidence from Experiment of Public Goods Games, ESA 2010 Regional Meeting: Melbourne, Austrilia, Feb. 17-20.2010
  15. Xu, B. Cheng, Q. Wang, Z., Fluctuation in Human Subjects Iterated Prisoner's Dilemma Games ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1525387](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1525387)) December, 18 2009
  16. Xu, B. Fan, L. Wang, Z. Tang, F.F., The Empirical Relationship between Fluctuation and Equilibrium in Public Goods Game ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1481086](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1481086)) October 1, 2009 (The ESA 2009 Regional Conference, North American, Tucson, Arizona, Nov. 12-14.)
  17. Xu, B. Wang, Z. Tang, F.F., Comment: Cooperative Behavior and the Frequency of Social Interaction ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1441222](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1441222)) July 30, 2009
  18. Bin Xu, Qiqi Cheng, Zhijian Wang, Phase Diagram of Prisoner's Dilemma: Empirical Evidence from the Human Subjects Experiments, ESA 2009 Regional Meeting: Innsbruck, Austria, September 17-20. 2009 ([http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1412086](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1412086)) May 30, 2009
  19. Xu Bin, Cheng Qiqi, Fan Liangcong, Luo Weidong, Wang Zhijian & Wang Dingding, "Punishers are not the Winners: Evidence from Public Goods Game Experiments", The 8th National Congress of Economics of China, Sep. 14-17, Chongqing, China.