

# Curriculum Vitae

**Hong-Kun Xu (徐洪坤)**

Academic Degree: Ph.D. (April 1988)  
Academic Rank: Professor  
Current Position: Distinguished Professor  
Department of Mathematics, Hangzhou Dianzi University  
Hangzhou 310018, China  
Tel: +86 (0)571 86873875 (O); cell: 15356199736  
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## **HIGHER EDUCATION**

**B.Sc.:** October 1978-July 1982  
Department of Mathematics  
Zhejiang Normal University  
Jinhua City, Zhejiang Province, mainland China

**M.Sc.:** September 1982-May 1985  
Department of Mathematics  
Zhejiang University  
Hangzhou City, Zhejiang Province, mainland China

**Ph.D.:** May 1985-May 1988  
Department of Mathematics  
Xi'an Jiaotong University  
Xi'an City, Shaanxi Province, mainland China

## **EMPLOYMENT**

**Lecturer:** May 1985-August 1990  
**Associate Professor:** September 1990-October 1992  
Department of Mathematics and Institute for Applied Mathematics  
East China University of Science and Technology  
Shanghai, China

**Visiting Professor:** October 1992-July 1993  
Departamento de Analisis, Facultad de Matematicas  
Universidad de Sevilla  
Sevilla, Spain

**Postdoctoral Fellow:** August 1993-July 1994  
Department of Mathematics, Statistics and Computing Science  
Dalhousie University  
Halifax, Canada

**Associate Professor:** August 1994-December 1996

**Professor:** January 1997-March 2003

**Senior Professor,** April 2003– December 2007

School of Mathematical Sciences

University of KwaZulu-Natal

Durban, South Africa

**Professor:** February 1999-July 2000

Department of Mathematics

College of Science

King Saud University

Riyadh, Saudi Arabia

**Chair Professor:** January 2008-January 2015

Department of Applied Mathematics

National Sun Yat-sen University

Kaohsiung, Taiwan

**Distinguished Professor:** February 2015-present

Hangzhou Dianzi University

Hangzhou, China

## **ADMINISTRATION EXPERIENCE 行政經歷**

- Head of the Department of Applied Mathematics, National Sun Yat-sen University (國立中山大學應用數學系系主任), November 1, 2010-July 31, 2013.
- Director of the Research Center for Nonlinear Analysis and Optimization (國立中山大學非線性分析與優化研究中心主任): April 2013-December 2014.
- Dean, College of Science, National Sun Yat-sen University (國立中山大學理學院院長), February 2014-January 2015

## **HONORS 榮譽**

- Fellow to the World Academy of Sciences (TWAS), formerly known as the Academy of Sciences for the Developing World and the Third World Academy of Sciences (世界科學院, 前称發展中世界科學院, 第三世界科學院) 院士 (elected September 2012). <http://www.twas.org>
- Member of the Academy of Science of South Africa (南非科學院院士), elected November 2005. <http://www.assaf.co.za/>
- Highly Cited Researcher (高被引用學者), Thomson Reuters, January 2014. <http://www.highlycited.com>
- Zhejiang Provincial "Thousands Talents" (浙江省“千人計劃”和浙江省特聘專家), 2014
- Reviewer for Mathematical Reviews (since 1989) 美國數學會評論員
- Ranked 15 in “Scientist Rankings in Mathematics” by ISI Web of Knowledge (as of December 2012).

- Visiting Chair Professor, Tianjin Municipality, China (天津市特聘讲座教授), July 2008–June 2012.
- Visiting Chair Professor and Supervisor of Doctoral Students, East China University of Science and Technology (华东理工大学特聘讲座教授, 兼职博导), Shanghai, China.
- Honorary Director of the Institute of Mathematics at Tianjin Polytechnic University (天津工业大学数学研究所名誉所长).

## **FELLOWSHIP**

- **Postdoctoral Fellow:** Department of Mathematics, Statistics and Computing Science, Dalhousie University, Halifax, Canada, August 1993-July 1994.
- **JSPS Invitational Fellow,** Japan Society for the Promotion of Science, affiliated with the Department of Communications and Integrated Systems, Tokyo Institute of Technology, December 2003-January 2004. (日本學術振興會邀請研究員)

## **TEACHING AWARD (教學獎項)**

- Excellent Teacher, 1989/90 academic year, East China University of Science and Technology, Shanghai, China 华东理工大学優秀教師
- Excellent Young Teacher, Shanghai Municipal Higher Education Commission, 1991.
- Employee's Recognition Award, University of Durban-Westville, 2003.
- Recipient of Service Recognition Award, University of Durban-Westville, 2003.
- Merit Notch Award, The University of KwaZulu-Natal, 2005

## **RESEARCH AWARD (研究獎項)**

- The South African Mathematical Society Research Distinction Award, 2004. 南非數學會傑出研究獎
- Ministry of Education of China Research Award in Natural Science (second class, jointly with Zongben Xu and Yaolin Jiang), 2004. 中國大陸教育部自然科學獎 (二等獎)
- University of KwaZulu-Natal Certificate of Excellence in recognition of a distinguished contribution to research, August, 2004. 南非夸祖魯-納塔爾大學傑出研究獎
- Merit Notch Award, University of KwaZulu-Natal, 2005.
- A National Sun Yat-sen University Citation Award, 2010.

## **CITATION AWARD & RANKING (引用與排名)**

1. ISI Citation Classic Award, 2000. (ISI 引用經典獎)
2. A National Sun Yat-sen University Citation Award, 2010. (國立中山大學論文被引用獎)
3. ISI's Essential Science Indicator (ESI) "Scientists Ranking in Mathematics" (as of December 2012) I was ranked **15** (out of 1310 Top 1% most cited mathematicians worldwide).
4. For the last 10 year period from 1999-2009, I have had 11 Highly Cited papers.

5. As of July 8, 2009, I had 5 papers listed in the top 100 most cited mathematics papers among 64,971 papers published since 2006 by Elsevier (provided by SCOPUS), ranked 46, 47, 62, 72, 92 with number of citations 33, 33, 31, 31, 29, 28, respectively. I was the only one who had five papers listed in the top 100.
6. As of July 11, 2010, I had 4 papers listed on the Top 10 cited articles published in the journal of Nonlinear Analysis in the last five years (extracted from Scopus) with citations 74, 60, 42, 30, respectively; moreover, the paper which was cited 74 times (published in 2005) was listed number one (extracted from Scopus).
7. As of July 11, 2010, I had 2 papers listed on the Top 10 cited articles published in the Journal of Mathematical Analysis & Applications in the last five years with 70 and 59 citations, respectively (extracted from Scopus).
8. Citation record by **Google Scholar**: (As of November 17, 2013), I have had **21** papers which have more than 100 citation times, with respective number of citations: **855, 852, 652, 450, 344, 321, 319, 221, 199, 193, 192, 181, 171, 140, 135, 132, 124, 212, 115, 109, 102**; see [http://scholar.google.com.tw/scholar?start=0&q=xu,+hong-kun&hl=zh-TW&as\\_sdt=0,5](http://scholar.google.com.tw/scholar?start=0&q=xu,+hong-kun&hl=zh-TW&as_sdt=0,5)
9. Citation record by the **American Mathematical Society** (As of January 25, 2015): **3899 times by 850 authors**
10. Citation record by **Web of Science** for the period of 10 years 2006-2015 (as of January 25, 2015):
  - Results found: **72**
  - Sum of the Times Cited: **1493**
  - Sum of Times cited Without self-citations: **1433**
  - Citing Articles: **913**
  - Citing Articles Without self-citations: **882**
  - Average Citations per Item: **20.74**
  - h-Index: **20**

## **EDITORIAL BOARD (期刊編委)**

1. Nonlinear Analysis, Theory, Methods, and Applications (2008-2011) (SCI)
2. Optimization (SCI)
3. Fixed Point Theory (SCI)
4. Fixed Point Theory and Applications (SCI)
5. Journal of Nonlinear and Convex Analysis (SCI)
6. Numerical Functional Analysis and Optimization (2014-) (SCI)
7. Journal of Applied Mathematics and Computing (EI)
8. International Journal of Stochastic Analysis
9. Journal of Applied Analysis
10. Communications on Applied Nonlinear Analysis
11. Far East Journal of Mathematical Sciences
12. JP Journal of Fixed Point Theory and Applications
13. Nonlinear Functional Analysis and Applications
14. Journal of Nonlinear Analysis and Optimization
15. Afrika Matematika
16. Annals of Functional Analysis (SCI) (2010-2012)
17. Advances in Fixed Point Theory
18. Pure Mathematics

19. International Journal of Optimization and Control: Theories & Applications
20. Journal of Advanced Mathematical Studies
21. Linear and Nonlinear Analysis (new journal with the Yokohama publishers)
22. Pure and Applied Functional Analysis (new journal with the Yokohama publishers)

### **VISITING POSITIONS HELD CURRENTLY**

- Tianjin Municipality Visiting Chair Professor, affiliated with Tianjin Polytechnic University, Tianjin, China for the period from June 2008-June 2012.
- Visiting Chair Professor, East China University of Science and Technology, Shanghai, China, for the period January 2008-December 2011.
- Oversea Member of the Research Group of Nonlinear Functional Analysis headed by Professor Tomas Dominguez Benavides, Faculty of Mathematics, University of Seville, Seville, Spain.
- Visiting Professor, Department of Mathematics, King Saud University, Saudi Arabia.

### **VISITING POSITIONS HELD IN THE PAST**

- Visiting Associate Professor, Institute of Mathematics, Academia Sinica, Beijing, China, April 1992 to June 1992.
- Visiting Professor, University of Sevilla, Sevilla, Spain, 1992/93 academic year.
- Postdoctoral Fellow, Dalhousie University, Halifax, Canada, August 1993 to July 1994.
- Professor ex Art. 25 Legge 382/80, Faculty of Science, University of Calabria, Italy, May 31 to June 26, 1996.
- Visiting professor, Department of Mathematics, National Technical University, Athens, Greece, June 27 - July 26, 1996.
- Visiting Professor, Department of Applied Mathematics, Pukyong National University Pusan, Korea, December 8, 1996 - January 7, 1997.
- Visiting Professor, Department of Mathematics, University of Newcastle, Australia, July 1 - August 25, 1997.
- Visiting Professor, Departamento de Matematico, Universidad de Vigo, Spain, June/July, 1998.
- Visiting Professor, Department of Mathematics, University of Calabria, Cosenza, Italy, June/July, 1999.
- Visiting Professor, Departamento de Analisis Matematico, Universidad de Sevilla, Spain, December, 2000 to February, 2001.
- Visiting Professor, Department of Mathematics, the Technion-Israel Institute of Technology, Haifa, Israel, June 12, 2001 - July 11, 2001.
- Visiting Professor, Department of Applied Mathematics, Pukyong National University, Pusan, Korea, January 12, 2002 - February 11, 2002.
- Visiting Professor, Department of Mathematics, University of Calabria, Cosenza, Italy, June/July, 2002.
- Invitational Fellow of the Japan Society for the Promotion of Science, and Visiting Research Fellow, Department of Communications and Integrated Systems, Tokyo Institute of Technology, November 22, 2003 – January 20, 2004.
- Visiting Professor, Department of Applied Mathematics, Pukyong National University, Pusan, Korea, January 20, 2004-February 11, 2004.

- Visiting Professor, Department of Mathematics, University of Calabria, Cosenza, Italy, June/July, 2004.
- Visiting Professor, Zhejiang Normal University, December 2004-January 2005.
- Visiting Professor, Pontificia Universidad Catolica de Valparaiso, Chile, July 2005.
- Visiting Professor, Department of Mathematics, University of Calabria, Cosenza, Italy, April, 2006.

## **COURSES I HAVE TAUGHT**

I have taught at Xi'an Jiaotong University (China), East China University of Science and Technology (China), Dalhousie University (Canada), University of KwaZulu-Natal (South Africa), King Saud University (Saudi Arabia), and National Sun Yat-sen University (Taiwan). Courses that I have taught include (both undergraduate and graduate levels):

Calculus, Advanced Calculus, Mathematical Analysis, Functional Analysis, General Topology and Topological Vector Spaces, Differential Equations, Measure Theory and Integration, Linear Algebra, Optimization, Financial Mathematics, Probability theory, Option Theory, and Financial Optimization.

## **CONFERENCE PRESENTATIONS**

- The International Symposium on Methods and Applications of Analysis, City University of Hong Kong, Hong Kong, December, 1994.
- The International Workshop on Metric Fixed Point Theory, Universidad de Sevilla, Sevilla, Spain, September, 1995. (Invited speaker.)
- The International Symposium on Functional Analysis and Related Topics, The Chinese University of Hong Kong, Hong Kong, December, 1995.
- The International Conference on Applied Analysis, Samos, Greece, July, 1996. (Invited speaker.)
- The Second World Congress of Nonlinear Analysts, Athens, Greece, July, 1996. (Invited speaker.)
- The International Workshop on Fixed Point Theory, Maria Curie-Skłodowska University, Lublin, Poland, June, 1997. (Invited speaker.)
- The First Pacific Rim Conference on Mathematics, City University of Hong Kong, Hong Kong, January, 1998.
- The International workshop on "Nonlinear Analysis and Its Applications," University of Transkei, September, 1998. (Invited speaker.)
- The First Joint Meeting of the American Mathematical Society and the Hong Kong Mathematical Society, Hong Kong, December 13-16, 2000.
- The International Conference on Fixed Point Theory and Its Applications, Technion-Israel Institute of Technology, Haifa, Israel, June 13-19, 2001. (Invited speaker.)
- The International Conference on Inverse Problems: Recent Developments in Theories and Numerics, Hong Kong, January 9 - 11, 2002.
- The Third International Workshop on Scientific Computing and Applications, Hong Kong, January 6-9, 2003.
- The International Conference on Fixed Point Theory and Its Applications, University of Valencia, Valencia, Spain, July 9-13, 2003. (Invited speaker.)

- The Third International Congress of Chinese Mathematicians, Chinese University of Hong Kong, Hong Kong, 17-22 December 2004.
- Symposium on Nonlinear Analysis and Convex Analysis, National Sun Yat-sen University, Kaohsiung, Taiwan, October 27-29, 2006. (Invited speaker.)
- The 2006 Kaohsiung International Workshop on Applied Mathematics, National Kaohsiung Normal University, Kaohsiung, Taiwan, September 22, 2006.
- Workshop for Young Researchers on Mathematical Analysis, National Changhua University of Education, Changhua, Taiwan, 14-15, October 2006. (Invited speaker.)
- The 2006 Annual Meeting of the Taiwan Mathematical Society, National Taiwan Normal University, December 8-10, 2006. (Invited speaker.)
- The International Symposium on Nonlinear Functional Analysis and Applications, Kyungnam University, Masan, February 2, 2007. (Invited speaker.)
- HKBU-NSYSU Workshop on Computational and Applied Mathematics, April 9-10, 2007. (Invited speaker.)
- The Fifth International Conferences on Nonlinear Analysis and Convex Analysis, National Tsing Hua University, Hsingchu, Taiwan, May 31-June 4, 2007. (Invited speaker.)
- The 2007 Computational Mathematical Conference, National Sun Yat-sen University, Kaohsiung, Taiwan, June 22-23, 2007. (Keynote speaker.)
- The 8<sup>th</sup> International Conference on Fixed Point Theory and Its Applications, Chiang Mai University, Chiang Mai, Thailand, July 16-22, 2007. (Keynote speaker.)
- Functional Analysis: Methods and Applications, University of Calabria, Cosenza, Italy, June 4-7, 2008. (Invited speaker.)
- Conference on Nonlinear Analysis and Optimization, Technion-Israel institute of Technology, Haifa, Israel, June 18-24, 2008. (Invited speaker.)
- The 9<sup>th</sup> International Conference on Fixed Point Theory and Its Applications, National Changhua University of Education, Changhua, Taiwan, July 16-22, 2009. (Keynote speaker.)
- Workshop on Nonlinear Analysis and Optimization, National Taiwan Normal University, Taipei, Taiwan, November 25-27, 2009. (Invited speaker.)
- Workshop on Functional Analysis and Optimization, Universidad de Sevilla, Sevilla, Spain, April 12-13, 2010. (Keynote speaker.)
- The Second Asian Conference on Nonlinear Analysis and Optimization, Phuket, Thailand, September 9-12, 2010. (Invited speaker.)
- Taiwan-Japan Joint Workshop on Inverse Problems, National Taiwan University, Taiwan, November 20-21, 2010. (Invited speaker.)
- The Annual Congress of the Mathematical Society of R.O.C., Changhua, Taiwan, December 10-12, 2010. (Keynote speaker.)
- The First International Symposium on Nonlinear Analysis and Convex Analysis, Hualian, Taiwan, March 26-28, 2011. (Keynote speaker.)
- The Workshop on Scientific Computing, University of Macau, Macau, China, December 10-12, 2011. (Invited speaker.)
- International Conference on Jordan Theory, Analysis and Related Topics, Chinese University of Hong Kong, Hong Kong, April 30-May 4, 2012. (Invited speaker.)
- International Conference on Nonlinear Analysis and Optimization: Theory, Algorithms and Applications in Science and Engineering, Tianjin, August 13-15, 2012. (Plenary speaker.)
- International Conference on Inverse Problems and Related Topics, Southeast University, Nanjing, China, October 21-26, 2012. (Plenary speaker.)

- The 2<sup>nd</sup> International Congress on Natural Sciences, Kaohsiung, Taiwan, October 23-25, 2012. (Plenary speaker.)
- The Fourth Workshop on Numerical Algebra and High Performance, University of Macau, Macao, December 8-10, 2012. (Invited speaker.)
- The International Symposium on Nonlinear Analysis and Optimization, Pukyong National University, Busan, Korea, Jan 31-Feb 2, 2013. (Invited speaker.)
- The First Cross-strait Workshop on Optimization, National Taiwan Normal University, Taipei, March 27-29, 2013. (Invited speaker.)
- International Conference on Analytic Mathematics and its Applications (ICAMA'2013), August 1-4, 2013. Tianjin, China. (Plenary speaker.)
- Workshop on Analysis 2013, National Central University (國立中央大學 2013 分析研討會), November 29-30, 2013. (Invited speaker.)
- NCTS/CMMSC Workshop on Compressive Sensing, National Chiao Tung University, December 13, 2013. (Invited speaker.)
- Workshop on Nonlinear Analysis, Optimization and Their Applications, National Kaohsiung Normal University, December 31, 2013. (Invited speaker.)
- International Workshop and Summer School on Variational Analysis and Approximation Theory, Hanoi, Vietnam, May 12-17, 2014. (Invited speaker.)
- Taiwan Society for Industry and Applied Mathematics Annual Meeting, National Dong Hwa University, May 31-June 01, 2014. (Invited speaker.)
- International Conference on Evolution Equations and Applied Analysis, Fudan University, Shanghai, June 20-22, 2014. (Invited speaker.)
- International Workshop on Nonlinear and Variational Analysis, Kaohsiung Medical University, Kaohsiung, Taiwan, August 1-3, 2014. (Keynote speaker.)
- The Fourth Asian Conference on Nonlinear Analysis and Optimization, National Taiwan Normal University, Taipei, Taiwan, August 5-9, 2014. (Invited speaker.)
- Workshop on Nonlinear Analysis, Optimization and Their Applications, National Kaohsiung Normal University, Kaohsiung, Taiwan, October 27, 2014. (Invited speaker.)
- The 2014 Annual Meeting of R.O.C. Mathematical Society, National Cheng Kung University, December 6-7, 2014. (Invited speaker.)
- The 11th International Conference on Fixed Point Theory and its Applications, Galatasaray University, Istanbul, Turkey, July 20-24, 2015. (Plenary speaker.)
- The 5<sup>th</sup> International Conference on Analytic Mathematics and its Applications, Harbin University of Science and Technology, Harbin, China, August 12-16, 2015. (Plenary speaker.)
- International Workshop on Applied Analysis and Optimization, China Medical University, Taichung, Taiwan, June 26-28, 2015. (Plenary speaker.)
- International Workshop on Nonlinear and Variational Analysis, Kaohsiung Medical University, Kaohsiung, Taiwan, August 7-9, 2015. (Invited Speaker.)
- The International Conference on Equilibria and Optimization Methodology in Finance and Economics, King Saud University, Riyadh, Saudi Arabia, September 9-11, 2015. (Plenary speaker.)
- The 12th Annual Congress of the Chinese Mathematical Society, Capital Normal University, Beijing, China, November 21-24, 2015. (Invited Speaker.)
- The 2015 Nanjing International Conference on Numerical Optimization with Applications, Nanjing Normal University, Nanjing, China, November 27-29, 2015. (Invited Speaker.)



## **COLLOQUIUM AND SEMINAR TALKS**

{1992}

East China University of Science and Technology  
Universidad de Sevilla.

{1993}

California State University at Northridge, U.S.A.  
Universidad de Valencia, Spain  
Universidad de Malaga, Spain  
Universidad de Santiago de Compostela, Spain  
Dalhousie University, Canada

{1994}

Dalhousie University, Canada  
University of Durban-Westville, South Africa

{1995}

Universidad de Santiago de Compostela, Spain  
University of Durban-Westville, South Africa

{1996}

Universita della Calabria, Cosenza, Italy (Eight series lectures for undergraduates and two lectures for academics of the mathematics department)  
National Technical University, Athens, Greece  
University of Durban-Westville  
Kyungsung University, South Korea  
Kyungnam University, South Korea  
Changwon National University, South Korea  
Donga University, South Korea  
Yeungnam University, South Korea  
Pusan National University, South Korea  
Pukyong National University, South Korea

{1997}

University of Queensland, Australia  
University of Newcastle, Australia  
University of New South Wales, Australia  
University of Durban-Westville, South Africa  
University of Natal at Pietermaritzburg, South Africa

{1998}

Universidad de Vigo, Spain  
Univerdidad de Seville, Spain  
Universidad de Santiago de Compostela, Spain  
University of Durban-Westville, South Africa

{1999}

King Saud University (Five series talks)  
Xi'an Jiaotong University

{2000}

Universidad de Sevilla  
University of Durban-Westville, South Africa

{2001}

Universidad de Sevilla  
University of Durban-Westville, South Africa

{2002}

Changwon National University, South Korea

Dong-A University, South Korea  
 Joopool University, South Korea  
 Pukyong National University, South Korea  
 Universidad de Sevilla  
 University of Natal in Pietermaritzburg  
 {2003}  
 Shanghai Normal University  
 Southeast University  
 Universidad de Sevilla  
 Tokyo Institute of Technology  
 Yokohama National University  
 {2004}  
 Tokyo Institute of Technology  
 University of Tokyo  
 University of Hirosaki, Japan  
 Pukyong National University, Korea  
 Masan University, Korea  
 Tong-A University, Korea  
 Kyungsung University, Korea  
 Changwon National University, Korea  
 University of Sevilla  
 {2005}  
 Shanghai Normal University  
 Xi'an Jiaotong University  
 East China University of Science and Technology  
 Zhejiang Normal University  
 {2006}  
 National Kaohsiung Normal University, Kaohsiung, Taiwan.  
 National Sun Yat-sen University, Kaohsiung, Taiwan.  
 National Changhua University of Education, Changhua, Taiwan  
 University of Sevilla, Sevilla, Spain  
 {2007}  
 Pukyong National University, Busan, South Korea  
 Kyungnam University, Masan, South Korea  
 Tong-A University, Busan, South Korea  
 Changwon National University, Changwon, South Korea  
 University of Sevilla, Sevilla, Spain  
 National Chiao Tung University, Hsingchu, Taiwan  
 Chiang Mai University, Thailand  
 {2008}  
 National Changhua University of Education, Changhua, Taiwan  
 Tianjin Polytechnic University, Tianjin, China  
 East China University of Science and Technology  
 Civil Aviation University of China, Tianjin, China  
 {2009}  
 National Changhua University of Education, Changhua, Taiwan  
 Tianjin Polytechnic University, Tianjin, China (A two-week summer course on the proximal  
 point algorithm)  
 Shanghai Normal University  
 Tongji University  
 Donghua University

East China University of Science and Technology  
City University of Hong Kong (six hours series lectures on option pricing and measures of risk for the Master's program of Actuarial and Financial Mathematics).  
{2010}  
National Taiwan Normal University  
City University of Hong Kong (six hours series lectures on pricing of exotic and path-dependent contingent claims for the Master's program in Actuarial and Financial Mathematics).  
Hong Kong Polytechnic University  
Cangzhou Teachers' College  
China Jiliang University  
Zhejiang University  
Zhejiang Normal University  
Shanghai Normal University  
{2011}  
City University of Hong Kong (six hours series lectures on pricing of exotic and path-dependent contingent claims for the Master's program in Actuarial and Financial Mathematics).  
National Tsing Hua University, Taiwan  
National Chung Cheng University, Taiwan  
{2012}  
City University of Hong Kong (six hours series lectures on indifference pricing for binomial and continuous-time models in incomplete markets for the Master's program in Actuarial and Financial Mathematics).  
Hong Kong Polytechnic University  
King Saud University  
Dong-A University (Korea)  
Putyong National University (Korea)  
Tianjin Polytechnic University  
Shaoxing University  
Xiamen University  
Zhejiang University  
Zhejiang University of Technology  
Shanghai Normal University  
East China University of Science and Technology  
Civil Aviation University of China  
Nanjing University of Finance and Economics  
Nanjing University  
{2013}  
Pukyong National University (six series lectures on Iterative Methods for Nonlinear Operators and Optimization).  
City University of Hong Kong (six hours series lectures on indifference pricing for binomial and continuous-time models in incomplete markets for the Master's program in Actuarial and Financial Mathematics).  
Shaoxing University  
Zhejiang University  
Zhejiang University of Technology  
Tongji University (three-hour lecture for the summer school on Finance and Statistics)  
Tianjin Polytechnic University  
Civil Aviation University of China (Splitting methods for nonlinear operators and optimization, a course for the summer school in August 2013)  
{2014}  
Cheng-Shiu University

King Saud University  
King Abdulaziz University  
Shaoxing University  
Tongji University  
University of Macau  
University of Shanghai for Science and Technology  
Zhejiang University  
{2015}  
Technion-Israel Institute of Technology  
Zhejiang University  
Aviation University of China

## **BIOGRAPHICAL LISTINGS**

- Marquis Who's Who in the World (11th edition, 13th edition, and 15th edition), America's leading biographical reference publisher, New Jersey, U.S.A.
- Men of Achievement (16th edition), the International Biographical Center, Cambridge, England.
- The International Directory of Distinguished Leadership, the American Biographical Institute, U.S.A.
- Who's Who in Science and Engineering (2nd edition), America's leading biographical reference publisher, New Jersey, U.S.A.
- Millennium Hall of Fame, American Biographical Institute, Raleigh, North Carolina, U.S.A., 1998.
- Outstanding People of the 20th Century, International Biographical Centre, Cambridge, England, 1999.
- Dictionary of International Biography (27th edition), Biographical Centre, Cambridge, England, 1999.
- Marquis Who's Who in the World (22nd edition), America's leading biographical reference publisher, New Jersey, U.S.A., 2005.

## **MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS**

- Academy of Science of South Africa
- American Mathematical Society
- South African Mathematical Society
- The Bachelier Finance Society

## **OTHER HONOURS**

- Reviewer for Mathematical Reviews (since 1989).

## **STUDENTS UNDER SUPERVISION OF H.K. XU**

### **Current Students**

### **Ph.D. Students**

- Yi-Ting Chen (Taiwan)
- Nguyen Huu Quang (Vietnam)

#### **Master's degree Students**

- Cheng-Hsuan (Chris) Tsai (Taiwan)
- Xiannan Yang (Hangzhou)

#### **Past Graduated Students**

##### **Doctoral Students**

- Ms P. Pillay (South Africa), Ph.D. degree awarded in October 2001. Title of thesis: "Iterative approaches to convex feasibility problems."
- Victoria Martin (Spain), Ph.D. degree awarded in April 2010. Title of thesis: "Fixed point approximation methods for nonexpansive mappings: Optimization problems."
- Fenghui Wang (Mainland China), Ph.D. Degree awarded in June 2011. Title of Thesis: "Iterative methods for nonlinear operator equations in Hilbert spaces."
- Yamin Wang (Mainland China), Ph.D. degree awarded in June 2014. Title of thesis: "Strong convergence for some iterative methods of nonlinear optimization problems."
- Chin-Chun Lai (Taiwan), Ph.D. degree awarded in July 2014. Title of thesis: "Pricing Asian options via Taylor approximations."

##### **Master's degree Students**

- Zanele Mkhize (South Africa), Master's degree in financial mathematics, December 2007.
- Frank Shoji (South Africa), Master's degree in financial mathematics, December 2007.
- Wen-De Ji (Taiwan), Master's degree in mathematics, June 2009.
- Rong-Ren Tsai (Taiwan), Master's degree in mathematics, June 2009.
- Zhuo-Ming Cheng (Taiwan), Master's degree in mathematics, June 2009.
- Ying-Ting Jian (Taiwan), Master's degree in mathematics, June 2009.
- Pavel Kocourek (Czech republic), Master's degree in financial mathematics, June 2010.
- Wei-Jie Liang (Taiwan), Master's degree in mathematics, June 2010.
- Yan-Ru Lin (Taiwan), Master's degree in mathematics, June 2010.
- Pei-Lin Lai (Taiwan), Master's degree in mathematics, June 2010.
- Wei-Xiu Huang (Taiwan), Master's degree in mathematics, June 2010.
- Yen-Ling Chen (Taiwan), Master's degree in mathematics, June 2010.
- Yi-Yun Wu (Taiwan), Master's degree in mathematics, June 2011.
- Jun-Hua Huang (Taiwan), Master's degree in mathematics, June 2011.
- Yu-Chen Cheng (Taiwan), Master's degree in mathematics, June 2012.
- Chung-Ru Shi (Taiwan), Master's degree in mathematics, June 2012.
- Wei-Hau Yu (Taiwan), Master's degree in mathematics, June 2012.
- Yun-Hsuan Yeh (Taiwan), Master's degree in mathematics, June 2012.
- Szu-Ying Chang (Taiwan), Master's degree in mathematics, June 2012.
- Chung-hao Chow (Taiwan), Master's degree in mathematics, June 2012.
- Han-Ting Hsu (Taiwan), Master's degree in mathematics, June 2013.
- Rui-Qi Lai (Taiwan), Master's degree in mathematics, June 2013
- Shih-Wei Hsu (Taiwan), Master's degree in mathematics, June 2014
- Chih-Jie Li (Taiwan), Master's degree in mathematics, June 2014
- Wei-Chih Chen (Taiwan), Master's degree in mathematics, June 2014

- Hao-Yu Yang (Taiwan), Master's degree in mathematics, June 2014
- Wei-Ting Tseng (Taiwan), Master's degree in mathematics, June 2014
- Ru-An Yan (Taiwan), Master's degree in mathematics, June 2014

## **VISITORS AND RESEARCH FELLOWS HOSTED BY H.K. XU**

- Dr. Y.L. Jiang (Xi'an Jiaotong University), NRF prestigious postdoctoral Fellow, 1997.
- Dr. X.M. Yin (East China University of Science and Technology), NRF postdoctoral fellow, 1998.
- Professor Benyu Guo (Shanghai University), NRF visiting Professor, December, 1998.
- Professor Chong Li (Zhejiang University), NRF Research Fellow, March 2001 - February 2002.
- Dr. GS Wei, NRF postdoctoral fellow, October 2004-September 2005.
- Dr. YF Jia, NSC postdoctoral fellow, November 2009-August 2010.
- Professor Bingsheng He (Nanjing University), June 20-July 12, 2010.
- Professor Baojun Bian (Tongji University), February/March, 2011.
- Professor Jiecheng Chen (Zhejiang University), February/March 2011.
- Professor Xiwen Lu (East China University of Science and Technology, February 2011.
- Professor Ximing Yin (East China University of Science and Technology, February 2011.
- Professor Rudong Chen (Tianjin Polytechnic University), February 2011.
- Professor Yonghong Yao (Tianjin Polytechnic University), February 2011; January/February 2012.
- Professor Jin Liang (Shanghai Jiaotong University), January/February 2012.
- Professor Ti-Jun Xiao (Fudan University), January/February 2012.
- Professor Vittorio Colao (University of Calabria), March 2012.
- Professor Guangsheng Wei (Shaaxi Normal University), September/October 2012.
- Professor Bing-Sheng He (Nanjin University), November 1-December 31, 2013
- Professor Tae-Hwa Kim (Pukyong National University), December 1-30, 2013.
- Dr. Hongjin He (Hangzhou Dianzi University), Postdoctoral Fellow, August 1, 2013-July 31, 2014.

## **REFeree FOR JOURNALS**

1. Abstract and Applied Analysis
2. Acta Mathematica Universitatis Comenianae
3. Acta Mathematica Applicatae Sinica
4. Acta Mathematica Scientia
5. Acta Mathematica Sinica
6. Advances in Operations Research
7. Applicable Analysis
8. Applied Mathematics and Computation
9. Applied Mathematical Letters
10. Applied Mathematics and Optimization
11. Asian-European Journal of Mathematics
12. Banach Journal of Mathematics
13. Boletín de la Sociedad Matemática Mexicana

14. Bulletin of the Belgian Mathematical Society
15. Bulletin of the Malaysian Mathematical Sciences Society
16. Bulletin of the Korean Mathematical Sciences Society
17. Canadian Mathematical Bulletin
18. Carpathian Journal of Mathematics
19. Central European Journal of Mathematics
20. Communications on Applied Nonlinear Analysis
21. Computers and Mathematics with Applications
22. Glasgow Mathematical Journal
23. Georgia Mathematical Journal
24. Far East Journal of Mathematical Sciences
25. Fixed Point Theory and Applications
26. IEEE Transactions on Image Processing
27. Indian Journal of Mathematics
28. Indian Journal of Pure and Applied Mathematics
29. International Journal of Engineering, Science and Technology
30. International Journal of Mathematics and Mathematical Sciences
31. Inverse Problems
32. Journal of Advanced Mathematical Studies
33. Journal of Applied Analysis
34. Journal of Applied Mathematics and Computation
35. Journal of Applied Mathematics and Stochastic Analysis
36. Journal of Australian Mathematical Society
37. Journal of Approximation Theory
38. Journal of Computational and Applied Mathematics
39. Journal of Convex Analysis
40. Journal of Functional Analysis
41. Journal of Global Optimization
42. Journal of Industrial and Management Optimization
43. Journal of Inequalities and Applications
44. Journal of the Korean Mathematical Society
45. Journal of the Korea Society of Mathematical Education Series B: The Pure and Applied Mathematics
46. Journal of London Mathematical Society
47. Journal of Mathematical Analysis and Applications
48. Journal of Mathematical Cryptology
49. Journal of Optimization Theory and Applications
50. Journal of Scientific Computing
51. Journal of South Eastern Asia Mathematical Society
52. Journal of Zhejiang University-Science Edition
53. Kragujevac Journal of Mathematics
54. Kochi Journal of Mathematics
55. Kyungpook Mathematical Journal
56. Mathematica Japonica
57. Mathematica Slovaca
58. Mathematical Communications
59. Mathematical Inequalities and Applications
60. Mathematical Modelling and Analysis
61. Mathematical Problems in Engineering
62. Mathematics of Operations Research
63. Mathematische Nachrichten

64. Mathematical Journal of Okayama University
65. Nigerian Journal of Mathematical Society
66. Nonlinear Analysis-Hybrid Systems
67. Nonlinear Analysis-Theory, Methods, and Applications
68. Nonlinear Studies
69. Numerical Algorithms
70. Optimization
71. Optimization Letters
72. Optimization Methods and Software
73. Pacific Journal of Optimization
74. Proceedings of the American Mathematical Society
75. Proceedings of the Edinburgh Mathematical Society
76. Publicationes Mathematicae Debrecen
77. Pure and Applied Mathematics Quarterly
78. Rocky Mountain Journal of Mathematics
79. Rendiconti dell'Istituto de Matematico dell'Universita di Trieste
80. Rendiconti del Circolo Matematico di Palermo
81. RACSAM-Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales.  
Serie A. Matematicas
82. Pan American Mathematical Journal
83. Science in China Series A: Mathematics
84. SIAM Journal on Numerical Analysis
85. Soochow Journal of Mathematics
86. Southeast Asian Bulletin of Mathematics
87. Taiwanese Journal of Mathematics
88. Tbilisi Mathematical Journal
89. Thai Journal of Mathematics
90. The Open Signal Processing Journal
91. Topology and Its Applications
92. Vietnam Journal of Mathematics

## **RESEARCH INTEREST**

- Nonlinear functional analysis
- Nonlinear optimization
- Optimization methods for sparsity, compressed sensing and machine learning
- Iterative methods for nonlinear equations and optimization
- Regularization for ill-posed inverse problems
- Inverse problems for transmission eigenvalues
- Financial mathematics
- Mathematical approaches to image recovery and signal processing
- Nonlinear differential and functional-differential equations
- Geometry of Banach spaces and fixed point theory



# List of Publications

**Hong-Kun Xu (徐洪坤)**

**{1984}**

1. H.K. Xu, Some results concerning Schur spaces, Journal of Mathematical Research and Exposition, 4 (1984), 99-100. (In Chinese.)
2. H.K. Xu, Fixed points of set-valued mappings in metric spaces, Journal of Postgraduates, Zhejiang University, 1 (1984), 14-20. (In Chinese.)

**{1985}**

3. H.K. Xu, Several results on fixed points, Journal of Zhejiang University, 19 (1985), no. 2, 121-126. (In Chinese)
4. H.K. Xu, Improvements of a fixed point theorem of K.L. Singh and J.H.M. Whitfield, Journal of Zhejiang University, 19(1985), no. 3, 137-143. (In Chinese.)

**{1986}**

5. H.K. Xu, A generalization of nearly uniformly convex Banach spaces, Journal of Shanghai Second Polytechnic University, 1 (1986), 21-28. (In Chinese.)

**{1987}**

6. H.K. Xu (1987), On the four problems of S.A. Naimpally and K.L. Singh, Journal of the Postgraduates, Xi'an Jiaotong University 1 (1987), 1-7. (In Chinese.)

**{1989}**

7. H.K. Xu and Z.B. Xu, An  $L^p$  inequality and its applications to fixed point theory and approximation theory, Proceedings of the Royal Society of Edinburgh 112A (1989), 343-351.
8. H.K. Xu, Maluta's question on sequence coefficients in Banach spaces, Kexue Tongbao, 34 (1989), 725-726 (In Chinese); Chinese Science Bulletin 35 (1990), 2025-2027.

**{1990}**

9. H.K. Xu, Some results of the Maluta constant  $D(X)$  for a Banach space  $X$ , Chinese Annals of Mathematics, 11A (1990), 81-87 (In Chinese); Chinese Journal of Contemporary Mathematics 11 (1990), 23-32, Allerton Press, New York.
10. Z.Y. You and H.K. Xu, An ergodic convergence theorem for mappings of asymptotically nonexpansive type, Chinese Annals of Mathematics, 11A (1990), 519-523 (In Chinese); Chinese Journal of Contemporary Mathematics, 11 (1990), 289-295, Allerton Press, New York.
11. Z.Y. You and H.K. Xu, On a problem of van Dulst, Chinese Quarterly Journal of Mathematics, 5 (1990), 11-13.
12. H.K. Xu, The existence of nonexpansive retractions for nonlinear commutative semigroups of nonexpansive mappings in uniformly convex Banach spaces, Chinese Science Bulletin (Kexue Tongbao), 35 (1990), 481-484. (In Chinese)
13. H.K. Xu, Some random fixed point theorems for condensing and nonexpansive operators, Proceedings of the American Mathematical Society, 110 (1990), 395-400.
14. H.K. Xu, Fixed point theorems for uniformly Lipschitzian semigroups in uniformly convex spaces, Journal of Mathematical Analysis and Applications, 152 (1990), 391-398.

**{1991}**

15. T.C. Lim, H.K. Xu and Z.B. Xu, Some  $L^p$  inequalities and their applications to fixed point theory and approximation theory, in "Progress in Approximation Theory" (Edited by P. Nevai and A. Pinkus), pp. 609-624, Academic Press, New York, 1991.
16. H.K. Xu, On weakly nonexpansive and  $*$ -nonexpansive multivalued mappings, Mathematica Japonica, 36 (1991), 441-445.

17. H.K. Xu, Weak convergence for reversible semigroups of Lipschitzian mappings, *Journal of East China University of Chemical Technology*, 17 (1991), 501-504. (In Chinese.)
18. H.K. Xu, Inequalities in Banach spaces with applications, *Nonlinear Analysis: Theory, Methods and Applications*, 16 (1991), 1127-1138. [This paper won an "ISI Citation Classic Award" in recognition of its influence and high citation from the period 1981-1998.]
19. H.K. Xu, Existence and convergence for fixed points of mappings of asymptotically nonexpansive type, *Nonlinear Analysis: Theory, Methods and Applications*, 16 (1991), 1139-1146.
20. K.K. Tan and H.K. Xu, On fixed point theorems of nonexpansive mappings in product spaces, *Proceedings of the American Mathematical Society*, 113 (1991), 983-989.
21. H.K. Xu, A fixed point theorem for semigroups of proximately uniformly Lipschitzian mappings, *Canadian Mathematical Bulletin*, 34 (1991), 559-562.
22. H.K. Xu, Asymptotic behavior of almost-orbits of asymptotically nonexpansive semigroups in Banach spaces, *Journal of Engineering Mathematics*, 8 (1991), No. 2, 19-30.

#### {1992}

23. K.K. Tan and H.K. Xu, The nonlinear ergodic theorem for asymptotically nonexpansive mappings in Banach spaces, *Proceeding of the American Mathematical Society*, 114 (1992), 399-404.
24. K.K. Tan and H.K. Xu, A nonlinear ergodic theorem for asymptotically nonexpansive mappings, *Bulletin of the Australian Mathematical Society*, 45 (1992), 25-36.
25. H.K. Xu, An application of nonexpansive operators to invariant approximations, *Journal of East China University of Chemical Technology*, 18 (1992), 110-112. (In Chinese.)
26. H.K. Xu, A note on the Ishikawa iteration scheme, *Journal of Mathematical Analysis and Applications*, 167 (1992), 582-587.
27. Y.Z. Yong and H.K. Xu, K-Uniform rotundity and fixed points of mappings of asymptotically nonexpansive type, *Journal of Engineering Mathematics*, 9 (1992), no. 4, 1-8. (In Chinese.)
28. K.K. Tan and H.K. Xu, An ergodic theorem for nonlinear semigroups of Lipschitzian mappings in Banach spaces, *Nonlinear Analysis: Theory, Methods and Applications*, 19 (1992), 805-813.
29. H.K. Xu, Asymptotic behavior of almost-orbits of nonlinear semigroups, in "Proceedings of the First Academic Annual Meeting of Youths of China Association for Science and Technology," pp. 66-71, China Science and Technology Press, Beijing, 1992. (In Chinese.)
30. K.K. Tan and H.K. Xu, Asymptotic behavior of nonlinear Lipschitzian semigroups in Banach spaces, in "Fixed Point Theory and Applications" (Edited by K.K. Tan), pp. 322-333, World Scientific, Singapore, 1992.

#### {1993}

31. H.K. Xu, A random fixed point theorem for multivalued nonexpansive operators in uniformly convex Banach spaces, *Proceedings of the American Mathematical Society*, 117 (1993), 1089-1092.
32. K.K. Tan and H.K. Xu, Asymptotic behavior of almost-orbits of nonlinear semigroups of non-Lipschitzian mappings in Hilbert spaces, *Proceedings of the American Mathematical Society*, 117 (1993), 385-393.
33. K.K. Tan and H.K. Xu, Fixed point theorems for Lipschitzian semigroups in Banach spaces, *Nonlinear Analysis: Theory, Methods and Applications*, 20 (1993), 395-404.

34. K.K. Tan and H.K. Xu, Iterative solutions to nonlinear equations of strongly accretive operators in Banach spaces, *Journal of Mathematical Analysis and Applications*, 178 (1993), no. 1, 9-21.
35. K.K. Tan and H.K. Xu, Approximating fixed points of nonexpansive mappings by the Ishikawa iteration process, *Journal of Mathematical Analysis and Applications*, 178 (1993), no. 2, 301-308.
36. H.K. Xu, Measures of noncompactness and normal type structures in Banach spaces, *PanAmerican Mathematical Journal*, 3 (1993), no. 2, 17-34.
37. M. Su, X.W. Lu and H.K. Xu, The monotone iterative technique for first order differential equations in Banach spaces, *Mathematica Japonica*, 38 (1993), no. 4, 667-673.
38. J.M. Aryerbe and H.K. Xu, On some geometrical coefficients of Banach spaces relating to fixed point theory, *PanAmerican Mathematical Journal*, 3 (1993), no. 3, 47-59.
39. C. Li and H.K. Xu, Characteristic theorems for copositive approximations, *Journal of East China University of Science and Technology*, 19 (1993), no. 2, 217-223. (In Chinese.)

#### {1994}

40. Z.Y. You and H.K. Xu, Finite-dimensional decompositions and fixed points of nonexpansive mappings, *Gongcheng Shuxue Xuebao*, 11 (1994), 94-98.
41. H.K. Xu and X.M. Yin, Measure of weak compactness, integral equations and monotone iterative methods, *PanAmerican Mathematical Journal*, 4 (1994), no. 1, 1-11.
42. Y.L. Jiang, Z.B. Xu and H.K. Xu, Convergence theorems for accretive operators in Banach spaces, *Communications on Applied Nonlinear Analysis*, 1 (1994), no. 1, 57-67.
43. H.K. Xu, Epsilon-Chainability and fixed points of set-valued mappings in metric spaces, *Mathematica Japonica*, 39 (1994), no. 2, 353-356.
44. M. Su and H.K. Xu, Solutions of nonlinear operator equations in Banach spaces with application, *Nonlinear Analysis, Theory, Methods and Applications*, 22 (1994), 671-677.
45. K.K. Tan and H.K. Xu, Fixed point iteration processes for asymptotically nonexpansive mappings, *Proceedings of the American Mathematical Society*, 122 (1994), 733-739.
46. T.C. Lim and H.K. Xu, Fixed point theorems for asymptotically nonexpansive mappings, *Nonlinear Analysis: Theory, Methods and Applications*, 22 (1994), 1345-1355.
47. S. Reich and H.K. Xu, Nonlinear ergodic theory for semigroups of Lipschitzian mappings, *Communications on Applied Nonlinear Analysis*, 1 (1994), no. 3, 47-60.
48. K.K. Tan and H.K. Xu, Continuous representation of semigroup as nonexpansive mappings on Banach space, *Communications on Applied Nonlinear Analysis*, 1 (1994), no. 3, 73-78.

#### {1995}

49. H.K. Xu and X.M. Yin, Strong convergence theorems for nonexpansive non-self mappings, *Nonlinear Analysis: Theory, Methods and Applications*, 25 (1995), 223-228.
50. P.K. Lin, K.K. Tan and H.K. Xu, Demiclosedness principle and asymptotic behavior for asymptotically nonexpansive mappings, *Nonlinear Analysis: Theory, Methods and Applications*, 24 (1995), 929-946.
51. H.K. Xu and J.J. Nieto, Solvability of nonlinear Volterra and Fredholm equations in weighted spaces, *Nonlinear Analysis: Theory, Methods and Applications*, 24 (1995), 1289-1297.
52. T. Dominguez Benavides, G. Lopez Acedo and H.K. Xu, Weak uniform normal structure and iterative fixed points of nonexpansive mappings, *Colloquium Mathematicum*, LXVIII (1995), 17-23.

53. G. Lopez Acedo and H.K. Xu, Remarks on multivalued nonexpansive mappings, *Soochow Journal of Mathematics*, 21 (1995), no. 1, 109-117.
54. K.K. Tan and H.K. Xu, Fixed points of semigroups of Lipschitzian mappings defined on nonconvex domains, *Georgia Mathematical Journal*, 2 (1995), no. 5, 547-558.
55. T. Dominguez Benavides and H.K. Xu, A new geometrical coefficient for Banach spaces and its applications in fixed point theory, *Nonlinear Analysis: Theory, Methods and Applications*, 25 (1995), 311-325.
56. T.C. Lim and H.K. Xu, Uniformly Lipschitzian mappings in metric spaces with uniform normal structure, *Nonlinear Analysis: Theory, Methods and Applications*, 25 (1995), 1231-1235.

**{1996}**

57. H.K. Xu, Random fixed point theorems for nonlinear uniformly Lipschitzian mappings, *Nonlinear Analysis: Theory, Methods and Applications*, 26 (1996), 1301-1311.
58. T. Dominguez Benavides, G. Lopez Acedo and H.K. Xu, Qualitative and quantitative properties for the space  $l_{p,q}$ , *Houston Journal of Mathematics*, 22 (1996), 89-100.
59. T. Dominguez Benavides, G. Lopez Acedo and H.K. Xu, Random fixed points of set-valued mappings, *Proceedings of the American Mathematical Society*, 124 (1996), no. 3, 831-838.
60. H.K. Xu and E. Liz, Boundary value problems for differential equations with maxima, *Nonlinear Studies*, 3 (1996), 231-241.
61. K.K. Tan and H.K. Xu, A nonlinear ergodic theorem for almost-orbits of nonlinear contraction semigroups in Banach spaces (with K.K. Tan), in "Proceedings of the First World Congress of Nonlinear Analysts," Walter de Gruyter, Vol. III, pp. 3025-3035 (1996).
62. H.K. Xu, Geometrical Coefficients of Banach spaces and nonlinear mappings, in "Recent Advances on Metric Fixed Point Theory," (the Proceedings of the International Workshop on Metric Fixed Point Theory, Sevilla, Spain, September 25-29, 1995), Tomas Dominguez Benavides, Ed., pp. 161-178, University of Sevilla Press, 1996.

**{1997}**

63. H.K. Xu and Z.B. Xu, Strongly unique best simultaneous approximation in uniformly convex Banach spaces, *Soochow Journal of Mathematics*, 23 (1997), 141-155.
64. H.K. Xu and J.J. Nieto, Extremal solutions of a class of nonlinear integro-differential equations in Banach spaces, *Proceedings of the American Mathematical Society*, 125 (1997), 2605-2614.
65. H.K. Xu, Approximating curves of nonexpansive nonself mappings in Banach spaces, *C.R. Academie des Sciences, Paris*, t. 325, Serie I, 1997, 151-156.
66. H.K. Xu, Banach space properties of Opial's type and fixed point theorems of nonlinear mappings, *Annales Universitatis Mariae Curie-Sklodowska, Sect. A* 51 (1997), no. 2, 293-303.

**{1998}**

67. H.K. Xu and G. Marino, Uniform property (K) and related properties, *Bulletin of the Australian Mathematical Society*, 57(1998), 93-107.
68. H.K. Xu and T.H. Kim, Some Hilbert space characterizations and Banach space inequalities, *Mathematical Inequalities and Applications*, 1 (1998), 113-121.
69. H.K. Xu, Approximations to fixed points of contraction semigroups in Hilbert spaces, *Numerical Functional Analysis and Optimization*, 19 (1998), 157-163.
70. H.K. Xu, Nonlinear discontinuous differential equations, *Communications on Applied Nonlinear Analysis*, 5 (1998), 69-80.
71. H.K. Xu, Measurability of fixed point sets of multivalued random operators, *Journal of Mathematical Analysis and Applications*, 225 (1998), 62-72.

**{1999}**

72. B. Sims, H.K. Xu and X.Z. Yuan, The homotopic invariance for fixed points of set-valued nonexpansive mappings, *Josai Mathematical Monographs* 1(1999), 55-65.
- {2000}**
73. H.K. Xu and T.H. Kim, Remarks on asymptotically nonexpansive mappings, *Nonlinear Analysis*, 41 (2000), 405-415.
74. H.K. Xu and E. Liz, Boundary value problems for functional differential equations, *Nonlinear Analysis*, 41 (2000), 971-988.
75. H.K. Xu and R.G. Ori, The set-valued Knaster-Tarski theorem in semi-ordered topological spaces with applications, *International Journal of Applied Mathematics*, 2 (2000), 547-552.
76. H.K. Xu, On the Palais-Smale condition for nondifferentiable functionals, *Taiwanese Journal of Mathematics*, 4 (2000), 627-634.
77. H.K. Xu, Metric fixed point theory for multivalued mappings, *Dissertationes Mathematicae*, Vol. 389, December, 2000.
78. H.K. Xu, Asymptotic behavior of a gradient flow, *Communications on Applied Nonlinear Analysis*, 7 (2000), no. 4, 11-17.
79. H.K. Xu, Convergence of an iteration process for nonexpansive mappings, *Nonlinear Functional Analysis and Applications*, 5 (2000), 107-111.
- {2001}**
80. H.K. Xu, Strong asymptotic behavior of almost-orbits of asymptotically nonexpansive semigroups, *Nonlinear Analysis*, 46 (2001), 135-151.
81. H.K. Xu, Multivalued nonexpansive mappings in Banach spaces, *Nonlinear Analysis*, 43 (2001), 693-706.
82. H.K. Xu and R.G. Ori, An implicit iteration process for nonexpansive mappings, *Numerical Functional Analysis and Optimization*, 22 (2001), 767-773.
83. B. Sims and H.K. Xu, Locally almost nonexpansive mappings, *Communications on Applied Nonlinear Analysis*, 8 (2001), no. 3, 81-88.
84. H.K. Xu, G. Marino and P. Pietramala, On property (M) and its generalizations, *Journal of Mathematical Analysis and Applications* 261 (2001), 271-281.
85. G. Marino, P. Pietramala and H.K. Xu, Geometrical conditions in product spaces, *Nonlinear Analysis*, 46 (2001), 1063-1071.
86. H.K. Xu, Existence Results on iterative functional differential equations, *Communications on Applied Nonlinear Analysis*, vol. 8, no. 4, 2001, pp. 89-95.
- {2002}**
87. H.K. Xu, Some recent results and problems for set-valued mappings, in "Advances in Mathematics Research," Vol. 1 (Gabriel Oyibo, Ed.), Nova Science Publishers, New York, 2002, pp. 31-49.
88. H.K. Xu, Another control condition in an iterative method for nonexpansive mappings, *Bulletin of the Australian Mathematical Society*, 65 (2002), 109-113.
89. H.K. Xu, Existence results for nonconvex evolution inclusions, *Communications on Applied Nonlinear Analysis*, 10 (2002), no. 3, 91-102.
90. H.K. Xu, Comments on the paper "Weak almost-convergence theorem without Opial's Condition" by B.K. Sharma, et al, *Journal of Mathematical Analysis and Applications*, 269 (2002), 382-386.
91. T. Dominguez Benavides, G. Lopez Acedo and H.K. Xu, Construction of sunny nonexpansive retractions in Banach spaces, *Bulletin of the Australian Mathematical Society*, 66 (2002), 9-16.
92. H.K. Xu, Existence results for quasilinear elliptic equations with discontinuous nonlinearities, *Applicable Analysis*, 81 (2002), 179-199.
93. H.K. Xu, Iterative algorithms for nonlinear operators, *Journal of London Mathematical Society*, 66 (2002), no. 2, 240-256.

94. C. Li and H.K. Xu, On almost well-posed mutually nearest and mutually furthest point problems, *Numerical Functional Analysis and Optimization*, 23 (2002), (3&4), 323-331.
- {2003}**
95. T. Dominguez Benavides, G. Lopez Acedo and H.K. Xu, Iterative solutions for zeros of accretive operators, *Mathematische Nachrichten*, 248-249 (2003), 62-71.
  96. H.K. Xu, An iterative approach to quadratic optimization, *Journal of Optimization Theory and Applications*, 116 (2003), no.3, 659-678.
  97. H.K. Xu, Remarks on an iterative method for nonexpansive mappings, *Communications on Applied Nonlinear Analysis*, 10 (2003), no.1, 67-75.
  98. S. Reich and H.K. Xu, An iterative approach to a constrained least squares problem, *Abstract and Applied Analysis*, No. 8, 2003, pp. 503-512.
  99. S. Reich and H.K. Xu, On a Banach space property of Trubnikov, *Bulletin of the Australian Mathematical Society*, 67 (2003), 503-510.
  100. H.K. Xu and T.H. Kim, Convergence of hybrid steepest descent methods for variational inequalities, *Journal of Optimization Theory and Applications*, 119 (2003), no. 1, 184-201.
  101. G. Marino and H.K. Xu, Asymptotic centers, inward sets and fixed points, *Communications on Applied Nonlinear Analysis*, 10 (2003), no. 3, 55-63.
  102. H.K. Xu, Iterative methods for constrained Tikhonov regularization, *Communications on Applied Nonlinear Analysis*, 10 (2003), no. 4, 49-58.
  103. J.G. O'Hara, P. Pillay and H.K. Xu, Iterative approaches to finding nearest common fixed points of nonexpansive mappings in Hilbert spaces, *Nonlinear Analysis*, 54 (2003), 1417-1426.
  104. C. Li and H.K. Xu, Porosity of mutually nearest and mutually furthest points in Banach spaces, *Journal of Approximation Theory*, 125(2003), 10-25.
- {2004}**
105. C. Li and H.K. Xu, Ambiguous loci of mutually nearest and mutually furthest points in Banach spaces, *Nonlinear Analysis*, 58 (2004), 367-377.
  106. G. Marino and H.K. Xu, Convergence of generalized proximal point algorithms, *Communications in Pure and Applied Analysis*, 3 (2004), 791-808.
  107. H.K. Xu, Relaxed projections, averaged mappings and image recovery, the *Proceedings of the International Conference on Fixed Point Theory and Its Applications*, Yokohama Publishers, 2004, pp. 275-292.
  108. H.K. Xu, Diametrically contractive mappings, *Bulletin of the Australian Mathematical Society*, 70 (2004), 463-468.
  109. H.K. Xu, Viscosity approximation methods for nonexpansive mappings, *Journal of Mathematical Analysis and Applications*, 298 (2004), 279-291.
  110. H.K. Xu, Discrete and continuous-time models of financial derivatives, *Seminar of Mathematical Analysis*, edited by D. Girela Alvarez, G. Lopez Acedo, and R. Villa Caro, Universidad de Sevilla, Secretariado de Publicaciones, 2004, pp. 273-316.
  111. J.G. O'Hara, P. Pillay and H.K. Xu, Iterative approaches to convex minimization problems, *Numerical Functional Analysis and Optimization*, vol. 25, nos. 5&6, 531-546, 2004.
- {2005}**
112. T.H. Kim and H.K. Xu, Strong convergence of modified Mann iterations, *Nonlinear Analysis*, 61 (2005), 51-60.
  113. H.K. Xu, A strong convergence theorem for contraction semigroups in Banach spaces, *Bulletin of the Australian Mathematical Society*, 72(2005), 371-379.
  114. H.K. Xu, Asymptotic and weakly asymptotic contractions, *Indian Journal of Pure and Applied Mathematics*, 36 (2005), 145-150.
- {2006}**

115. H.K. Xu and I. Yamada, Asymptotic regularity of linear power bounded operators, *Taiwanese Journal of Mathematics*, 10 (2006), no. 2, 417-429.
116. G. Marino and H.K. Xu, A general iterative method for nonexpansive mappings in Hilbert spaces, *Journal of Mathematical Analysis and Applications*, 318 (2006), 43-52.
117. H.K. Xu, Strong convergence of an iterative method for nonexpansive mappings and accretive operators, *Journal of Mathematical Analysis and Applications*, 314 (2006), 631-643.
118. T.H. Kim and H.K. Xu, Strong convergence of modified Mann iterations for asymptotically nonexpansive mappings and semigroups, *Nonlinear Analysis*, 64 (2006), 1140-1152.
119. J.G. O'Hara, P. Pillay and H.K. Xu, Iterative approaches to convex feasibility problems in Banach spaces, *Nonlinear Analysis*, 64 (2006), 2022-2042.
120. G. Marino, P. Pietramala and H.K. Xu, Nonlinear neutral integrodifferential equations on unbounded intervals, *International Mathematical Forum*, 1 (2006), no. 9, 933-946.
121. C. Martinez-Yanes and H.K. Xu, Strong convergence of the CQ method for fixed point iteration processes, *Nonlinear Analysis*, 64(2006), 2400-2412.
122. H.K. Xu, A regularization method for the proximal point algorithm, *Journal of Global Optimization*, 36 (2006), 115-125.
123. H.K. Xu, Strong convergence of approximating fixed point sequences for nonexpansive mappings, *Bulletin of the Australian Mathematical Society*, 74 (2006), 143-151.
124. H.K. Xu, A variable Krasnoselskii-Mann algorithm and the multiple-set split feasibility problem, *Inverse Problems*, 22 (2006), 2021-2034.
- {2007}**
125. T.H. Kim and H.K. Xu, Robustness of Mann's algorithm for nonexpansive mappings, *Journal of Mathematical Analysis and Applications*, 327 (2007), 1105-1115.
126. G. Marino and H.K. Xu, Weak and strong convergence theorems for strict pseudo-contractions in Hilbert Spaces, *Journal of Mathematical Analysis and Applications*, 329 (2007), 336-346.
127. G. Lopez Acedo and H.K. Xu, Iterative methods for strict pseudo-contractions in Hilbert spaces, *Nonlinear Analysis*, 67 (2007), 2258-2271.
128. L.C. Ceng and H.K. Xu, Strong convergence of a hybrid viscosity approximation method with perturbed mappings for nonexpansive and accretive operators, *Taiwanese Journal of Mathematics*, 11 (2007), no. 3, 661-682.
- {2008}**
129. T.H. Kim and H.K. Xu, Convergence of the modified Mann's iteration method for asymptotically strict pseudo-contractions, *Nonlinear Analysis, Theory, Methods, and Applications*, 68 (2008), 2828-2836.
130. V. Colao, G. Marino, and H.K. Xu, An explicit scheme of equilibrium for a finite family of nonexpansive mappings, *Journal of Mathematical Analysis and Applications*, 344 (2008), 340-352.
131. L.C. Ceng, H.K. Xu and J.C. Yao, Strong convergence of an iterative method with perturbed mappings for nonexpansive and accretive operators, *Numerical Functional Analysis and Optimization*, 29 (2008), 324-345.
132. L.C. Ceng, H.K. Xu and J.C. Yao, A hybrid steepest-descent method for variational inequalities in Hilbert spaces, *Applicable Analysis*, 87 (2008), 575-589.
133. L.C. Ceng, H.K. Xu and J.C. Yao, The viscosity approximation method for asymptotically nonexpansive mappings in Banach spaces, *Nonlinear Analysis, Theory, Methods, and Applications*, 69 (2008), 1402-1412.

134. W.A. Kirk and H.K. Xu, Asymptotic pointwise contractions, *Nonlinear Analysis, Theory, Methods, and Applications*, 69 (2008), 4706-4712.
  135. H.K. Xu, The parameter selection problem for Mann's fixed point algorithm, *Taiwanese Journal of Mathematics*, 12 (2008), 1191-1920.
- {2009}**
136. G. Lopez, V. Martin and H.K. Xu, Perturbation techniques for nonexpansive mappings with applications, *Nonlinear Analysis, Real World Applications*, 10 (2009), no. 4, 2369-2383.
  137. D. R. Sahu, H.K. Xu and J.C. Yao, Asymptotically strict pseudocontractive mappings in the intermediate sense, *Nonlinear Analysis, Theory, Methods, and Applications*, 70 (2009), no. 10, 3502-3511.
  138. R. Chen, Y. Su and H.K. Xu, Regularization and iteration methods for a class of monotone variational inequalities, *Taiwanese Journal of Mathematics*, 13 (2009), no. 2B, 739-752.
  139. G. Wei and H.K. Xu, On the missing eigenvalue problem for an inverse Sturm-Liouville problem, *Journal de Mathematiques Pures et Appliquees*, 91 (2009), no. 5, 468-475.
  140. X.W. Lu, H.K. Xu and X.M. Yin, Hybrid methods for a class of monotone variational inequalities, *Nonlinear Analysis, Theory, Methods, and Applications*, 71 (2009), no. 3-4, 1032-1041.
  141. F. Cianciaruso, V. Colao, L. Muglia and H.K. Xu, On an implicit hierarchical fixed point approach to variational inequalities, *Bulletin of the Australian Mathematical Society*, 80 (2009), no. 1, 117-124.
  142. S. He and H.K. Xu, Variational inequalities governed by boundedly Lipschitzian and strongly monotone operators, *Fixed Point Theory*, 10 (2009), no. 2, 245-258.
  143. Y. Su, Z. Wang, H.K. Xu, Strong convergence theorems for a common fixed point of two hemi-relatively nonexpansive mappings, *Nonlinear Analysis* 71(2009), 5616-5628.
- {2010}**
144. G. Lopez, V. Martin and H.K. Xu, Iterative algorithms for the multiple-sets split feasibility problem, in "Biomedical Mathematics: Promising Directions in Imaging, Therapy Planning and Inverse Problems," Y. Censor, M. Jiang and G. Wang (Editors), Medical Physics Publishing, Madison, Wisconsin, USA, 2010, pp. 243-279.
  145. H.K. Xu, Viscosity method for hierarchical fixed point approach to variational inequalities, *Taiwanese Journal of Mathematics*, 14 (2010), no. 2, 463-478.
  146. H.K. Xu, An alternative regularization method for nonexpansive mappings with applications, in "Nonlinear Analysis and Optimization I: Nonlinear Analysis," Contemporary Mathematics, vol. 513, 2010, pp. 239-263.
  147. G. Lopez, V. Martin and H.K. Xu, Halpern's iteration for nonexpansive mappings, in "Nonlinear Analysis and Optimization I: Nonlinear Analysis," Contemporary Mathematics, vol. 513, 2010, pp. 211-230.
  148. X.B. Xu and H.K. Xu, Regularization and iterative methods for monotone variational inequalities, *Fixed Point Theory and Applications*, Volume 2010, Article ID 765206, 11 pages; doi:10.1155/2010/765206.
  149. X. Lu, H.K. Xu and X. Yin, On two iterative methods for mixed monotone variational inequalities, *Fixed Point Theory and Applications*, Volume 2010, Article ID 291851, 10 pages; doi:10.1155/2010/291851.
  150. Y. Yao, R. Chen, and H.K. Xu, Schemes for finding minimum-norm solutions of variational inequalities, *Nonlinear Analysis*, 72 (2010), 3447-3456.
  151. J.H. Wang, C. Li, and H.K. Xu, Subdifferentials of perturbed distance functions in Banach spaces, *Journal of Global Optimization*, 46 (2010), 489-501.



152. F. Wang and H.K. Xu, Approximating curve and strong convergence of the CQ algorithm for the split feasibility problem, *Journal of Inequalities and Applications*, Volume 2010, Article ID 102085, 13 pages; doi:10.1155/2010/102085.
  153. R. Chen, Q. Fan and H.K. Xu, An explicit iteration method for finding a common solution of equilibrium and fixed point problems, *Fixed Point Theory* 11 (2010), no. 2, 225-236.
  154. Y. Su, H.K. Xu and X. Zhang, Strong convergence theorems for two countable families of weak relatively nonexpansive mappings and applications, *Nonlinear Analysis* 73(2010) 3890-3906.
  155. M. Su and H.K. Xu, Remarks on the gradient-projection algorithm, *Journal of Nonlinear Analysis and Optimization* 1 (2010), no. 1, 35-43.
  156. H.K. Xu, Iterative methods for the split feasibility problem in infinite-dimensional Hilbert spaces, *Inverse Problems* 26 (2010) 105018 (17pp).
  157. G.S. Wei and H.K. Xu, Inverse spectral problem for string equation with partial information, *Inverse Problems* 26 (2010) 115004 (14 pp).
  158. F. Wang and H.K. Xu, Strongly convergent iterative algorithms for solving a class of variational inequalities, *Journal of Nonlinear and Convex Analysis* 11 (2010), no. 3, 407-421.
  159. L.C. Ceng, H.K. Xu, and J.C. Yao, Uniformly normal structure and uniformly Lipschitzian semigroups, *Nonlinear Analysis*, 73 (2010) 3742-3750.
- {2011}**
160. F. Cianciaruso, G. Marino, L. Muglia and H. K. Xu, Notes on graph convergence for maximal monotone operators, *Bulletin of the Australian Mathematical Society*, 83 (2011), 22-29.
  161. G. Marino and H.K. Xu, Explicit hierarchical fixed point approach to variational inequalities, *Journal of Optimization Theory and Applications*, 149 (2011), 61-78.
  162. G.S. Wei and H.K. Xu, Left-definite problems of regular self-adjoint differential equations of even order, *Mathematische Nachrichten*, 284 (2011), 381-392.
  163. H.K. Xu, Averaged mappings and the gradient-projection algorithm, *Journal of Optimization Theory and Applications*, 150 (2011), no. 2, 360-378.
  164. Y. Yao and H.K. Xu, Iterative methods for finding minimum-norm fixed points of nonexpansive mappings with applications, *Optimization*, 60 (2011), 645-658.
  165. J. Liu, Y.L. Jiang and H.K. Xu, Embedded waveform relaxation methods for parabolic partial functional differential equations, *Taiwanese Journal of Mathematics*, 15 (2011), 829-855.
  166. J. Jia, J. Wu and H.K. Xu, Positive solutions for a predator-prey interaction model with Holling-type functional response and diffusion, *Taiwanese Journal of Mathematics*, 15 (2011), no. 5, 2013-2034.
  167. Y. Jia, H.K. Xu and R.P. Agarwal, Existence of positive solutions for a prey-predator model with refuge and diffusion, *Applied Mathematics and Computation*, 217 (2011) 8264-8276.
  168. F. Wang and H.K. Xu, Cyclic algorithms for split feasibility problems in Hilbert Spaces, *Nonlinear Analysis Series A: Theory, Methods & Applications*, 74 (2011), 4015-4111.
  169. F. Wang, H.K. Xu and M. Su, Choices of variable steps of the CQ algorithm for the split feasibility problem, *Fixed Point Theory*, 12 (2011), no. 2, 489-496.
  170. X.F. Luo, C. Li, H.K. Xu, and J.C. Yao, Existence of best simultaneous approximations in  $L_p(S, \Sigma, X)$ , *Journal of Approximation Theory* 163 (2011), 1300-1316.

**{2012}**

171. G.S. Wei and H.K. Xu, Inverse spectral problem for string equation with partial information on the potential and norming constants, *Transactions of the American Mathematical Society*, 364 (2012), no. 6, 3265-3288.
  172. Y. Su and H.K. Xu, A duality fixed point theorem and applications, *Fixed Point Theory*, 13 (2012), no. 1, 259-265.
  173. F. Wang and H.K. Xu, Weak and strong convergence theorems for variational inequality and fixed point problems with Tseng's extragradient method, *Taiwanese Journal of Mathematics*, 16 (2012), no. 3, 1125-1136.
  174. Y. Yao, V. Colao, G. Marino, and H.K. Xu, Implicit and explicit algorithms for minimum-norm fixed points of pseudocontractions in Hilbert spaces, *Taiwanese Journal of Mathematics*, 16 (2012), no. 4, 1489-1506.
  175. F. Li, T.J. Xiao and H.K. Xu, On nonlinear neutral fractional integrodifferential inclusions with infinite delay, *Journal of Applied Mathematics*, Volume 2012, Article ID 916543, 19 pages. doi:10.1155/2012/916543
  176. G. Lopez, V. Martin, F. Wang, and H.K. Xu, Solving the split feasibility problem without prior knowledge of matrix norms, *Inverse Problems* 28 (2012) 085004 (18pp).
  177. G. Lopez, V. Martin-Marquez, F. Wang, and H.K. Xu, Forward-backward splitting methods for accretive operators in Banach spaces, *Abstract and Applied Analysis*, Volume 2012, Article ID 109236, 25 pages.
  178. Y. Yao, T.H. Kim, S. Chebbi, and H.K. Xu, A modified extragradient method for the split feasibility and fixed point problems, *Journal of Nonlinear and Convex Analysis*, 13 (2012), no. 3, 383-396.
  179. Z. Al-Rumaih, S. Chebbi and H.K. Xu, Noncompact equilibrium points and applications, *Journal of Applied Mathematics*, Volume 2012, Article ID 373462, 9 pages, doi:10.1155/2012/373462.
  180. Y. Wang, H.K. Xu and X. Fang, A hybrid extragradient-like method for variational inequalities, equilibrium problems, and an infinite family of strict pseudocontractive mappings, *Journal of Applied Mathematics*, Volume 2012, Article ID 804642, 15 pages. doi:10.1155/2012/804642.
  181. Y. Wang, H.K. Xu and X. Yin, Strong convergence theorems for generalized equilibrium, variational inequalities and nonlinear operators, *Arab. J. Math.* DOI 10.1007/s40065-012-0032-3.
  182. Y.F. Jia, J.H. Wu, and H.K. Xu, Analysis of bifurcation and stability on solutions of a Lotka-Volterra ecological system with cubic functional responses and diffusion, *Communications in Mathematical Research*, 28 (2012), no. 2, 127-136.
  183. F. Li, J. Liang and H.K. Xu, Existence of mild solutions for fractional integrodifferential equations of Sobolev type with nonlocal conditions, *Journal of Mathematical Analysis and Applications* 391 (2012), 510–525.
- {2013}**
184. Y.F. Jia, J.H. Wu, and H.K. Xu, On qualitative analysis for a two competing fish species model with a combined non-selective harvesting effort in the presence of toxicity, *Communications on Pure and Applied Analysis* 12 (2013), no. 5, 1927-1941.
  185. Y.F. Jia, J.H. Wu, and H.K. Xu, Spatial pattern in an ecosystem of phytoplankton–nutrient from remote sensing, *Journal of Mathematical Analysis and Applications* 402 (2013), 23-34.

186. S. He and H.K. Xu, Uniqueness of supporting hyperplanes and an alternative to solutions of variational inequalities, *Journal of Global Optimization*, 57 (2013), 1375–1384
  187. F. Cianciaruso, V. Colao, G. Marino, and H.K Xu, A compactness result for differentiable functions with an application to boundary value problems, *Annali di Matematica Pura ed Applicata* 192 (2013), 407-421.
  188. L.C. Ceng, H.K. Xu and C.F. Wen, Relaxed viscosity approximation methods with regularization for constrained minimization problems, *Journal of Applied Mathematics*, Volume 2013, Article ID 531859, 19 pages.
  189. M.A. Alghamdi, M.A. Alghamdi, N. Shahzad, and H.K. Xu, Properties and iterative methods for the Q-lasso, *Abstract and Applied Analysis*, Volume 2013, Article ID 250943, 8 pages.
  190. Z. Al-Rumaih, S. Chebbi and H.K. Xu, A Halpern-Lions-Reich-like iterative method for nonexpansive mappings, *Fixed Point Theory*, 14 (2013), no. 2, 289-300.
  191. G. Wei and H.K. Xu, Inverse spectral analysis for the transmission eigenvalue problem, *Inverse Problems* 29 (2013) 115012 (24pp).
- {2014}**
192. Y. Wang and H.K. Xu, Strong convergence for the proximal-gradient method, *Journal of Nonlinear and Convex Analysis*, 15 (2014), no. 3, 581-593.
  193. H.K. Xu, T.H. Kim and X. Yin, Weak continuity of the normalized duality map, *Journal of Nonlinear and Convex Analysis*, 15 (2014), no. 3, 595-604.
  194. Y. Jia, J. Wu and H.K. Xu, Blow-up behavior of positive solutions for a chemical fuel ignition device model, *Journal of Mathematical Physics* 55 (2014), 041502.
  195. Y. Jia, J. Wu, and H.K. Xu, Positive solutions of a Lotka–Volterra competition model with cross-diffusion, *Computers and Mathematics with Applications* 68 (2014), 1220-1228.
  196. H.K. Xu, Properties and iterative methods for the Lasso and its variants, *Chinese Annals of Mathematics*, Ser. B, 35 (2014), number 3, 501-518.
  197. H. He, C. Ling and H.K. Xu, A relaxed projection method for the split variational inequalities, *Journal of Optimization Theory and Application*. [Published online]
  198. M.A. Alghamdi, M. Ali Alghamdi, N. Shahzad, and H.K. Xu, Regularization for the split feasibility problem, *Journal of Nonlinear and Convex Analysis*. [Accepted for publication.]
  199. M.A. Alghamdi, M. Ali Alghamdi, N. Shahzad, and H.K. Xu, The implicit midpoint rule for nonexpansive mappings, *Fixed Point Theory and Applications* 2014, 2014:96.
  200. Y. Yao, G. Marino, H.K. Xu and Y.-C. Liou, Construction of minimum-norm fixed points of pseudocontractions in Hilbert spaces, *Journal of Inequalities and Applications* 2014, 2014:206.
  201. W. Takahashi, H.K. Xu and J.C. Yao, Iterative methods for generalized split feasibility problems in Hilbert spaces, *Set-Valued and Variational Analysis*. [Published online in May 2014.]

**{2015}**

202. M.A. Alghamdi, N. Shahzad, and H.K. Xu, Ergodic convergence of the double backward method for monotone operators, *Journal of Nonlinear and Convex Analysis*, 16 (2015), no. 7, 1195-1204.
203. G. Wei and H.K. Xu, On the missing bound state data of inverse spectral-scattering problems on the half-line, *Inverse Problems and Imaging*, 9 (2015), no. 1, 239-255.
204. H.K. Xu, M.A. Alghamdi and N. Shahzad, The viscosity technique for the implicit midpoint rule of nonexpansive mappings in Hilbert spaces, *Fixed Point Theory and Applications* (2015) 2015:41.
205. Y. Wang and H.K. Xu, A new accuracy criterion for the contraction proximal point algorithm with two monotone operators, *Journal of Nonlinear and Convex Analysis*, 16 (2015), no. 2, 273-287.
206. H.K. Xu, M.A. Alghamdi and N. Shahzad, Ergodicity of the implicit midpoint rule for nonexpansive mappings, *Journal of Inequalities and Applications* 2015, 2015:4.
207. J. Liang, J.H. Liu, T.J. Xiao and H.K. Xu, Nonautonomous impulsive delay evolution equations with periodic nonlinear terms in Banach spaces. (Submitted.)
208. V. Colao, L. Muglia, and H.K. Xu, Existence of solutions for a second order differential equation with non-instantaneous impulses and delay, *Annali di Matematica Pura ed Applicata*. (Published online in February 2015.)
209. H.K. Xu, The valuation of powered options, *Journal of Nonlinear and Convex Analysis*, 16 (2015), no. 7, 1461-1471.
210. B. He, H.K. Xu, and X. Yuan, On the proximal Jacobian decomposition of ALM for multiple-block separable convex minimization problems and its relationship to ADMM, *Journal of Scientific Computing*. [Published online.]
211. F. Wang, Z. Xu, and H.K. Xu, Convergence of Bregman alternating direction method with multipliers for nonconvex composite problems. [Submitted.]
212. H. He, C. Ling and H.K. Xu, An implementable splitting algorithm for the  $l_1$ -norm regularized split feasibility problem, *Journal of Scientific Computing*, DOI 10.1007/s10915-015-0078-4. [Published online, August 2, 2015.]
213. H. He and H.K. Xu, A projection-based splitting method for structured variational inequalities, *Journal of Nonlinear and Convex Analysis*, 16 (2015), no. 8.
214. H.K. Xu, A note on the implicit midpoint rule for nonexpansive mappings, *Linear and Nonlinear Analysis*, 1 (2015).
215. V. Colao, L. Muglia, and H.K. Xu, An existence result concerning a new class of impulsive equations with delay. [Preprint.]