

# Lei Chen

[lei.chen@uconn.edu](mailto:lei.chen@uconn.edu)

<http://homepages.uconn.edu/~lec02005/>

## ***Mailing Address:***

Department of Economics  
341 Mansfield Road, Unit 1063  
Storrs, CT 06269-1063  
Fax: (860)486-4463

## ***Home Address:***

22 Foster Dr  
Willimantic, CT 06226  
Phone: (860)423-4873  
Cell: (860)786-8591

## ***Personal Information:***

Date of Birth: August 23, 1976  
Citizenship: China  
Sex: Male

## ***Education:***

2005—present Ph.D. Candidate, Department of Economics, University of Connecticut  
(Awarded a M.A. in Economics in 2007, expect to complete a Ph.D. in 2009)  
2002—2005 Ph.D. Student, Department of Physics, University of Connecticut  
(Awarded a M.S. in Physics in 2004)  
1999—2002 M.S., Department of Physics, Sun Yat-sen University  
1995—1999 B.S., Department of Physics, Sun Yat-sen University

## ***Research Interests:***

Health Economics, Quantitative Methods, Data Envelopment Analysis, Operations Research, Industrial Organization, Applied Microeconomics.

## ***Journal Publications:***

### ***-in Economics:***

Posner, Lawrence, Lei Chen, and Dennis Heffley. "Buying Time: The Link between Health Spending and Life Expectancy," *Health Care Management, Economics and Policy*, Vol. 1, No. 1, Pages 3-8. (2009)  
Ray, Subhash, Lei Chen, and Kankana Mukherjee. "Input Price Variation across Location and a Generalized Measure of Cost Efficiency," *International Journal of Production Economics*, Vol. 116, No. 2, Pages 208-218. (2008)

### ***-in Physics:***

Chen, Lei et al. "Studies on Ultrafast Resonant Nonlinear Optics in Rare Earth Solids," *Acta Optica Sinica*, Vol. 23, No. 1, Pages 6-10. (2002)  
Chen, Lei et al. "Measurement of Femtosecond Resonant Nonlinear Refraction in Nd:YVO<sub>4</sub> by Degenerate Pump-probe Spectroscopy," *Journal of Applied Physics*, Vol. 89, No. 12, Pages 8342-8344. (2001)  
Chen, Lei et al. "Experimental Techniques for Quantum Wavepacket Interferometer," *Chinese Journal of Lasers*, Vol. 28, No. 2, Pages 141-145. (2001)

***Research in Progress:***

“Pareto - Koopmans Efficiency and a Tornqvist Productivity Index: An Application to Dental Care in the U.S.” (With Subhash Ray, Working paper)

“Parametric and Non-parametric Methods of Measuring Departmental Performance – An Application to Higher Education” (With Sylvie Tchumtchoua, Working paper)

“Cost Efficiency and Scale of Economics in the U.S. Manufacturing Industry – A Nonparametric Approach of Data Envelopment Analysis” (Working paper)

“Stochastic Frontier Analysis of Dental Care -- A Study of Practice Level Data” (With Subhash Ray, Dennis Heffley, and Tryfon Beazoglou, Working paper)

“A Cost-constrained Measure of Energy-use Efficiency in U.S. Manufacturing – An Inter-state Comparison Using the Census of Manufacturing Data” (With Subhash Ray and Kankana Mukherjee, Working paper)

“An Overall Pareto-Koopmans DEA Efficiency Measure of Colorado Dental Practices” (With Subhash Ray, Dennis Heffley, and Tryfon Beazoglou, Working paper)

***Academic Activities:***

***-Conference Presentations:***

September 2009, presented paper “Pareto - Koopmans Efficiency and a Tornqvist Productivity Index: An Application to Dental Care in the US” at the Data Envelopment Analysis and Performance Measurement Stream of the Operational Research Society Conference (OR51) in Warwick, United Kingdom.

July 2009, presented paper “Cost Efficiency and Scale of Economics in the U.S. Manufacturing Industry – A Nonparametric Approach of Data Envelopment Analysis” at the 7<sup>th</sup> International Conference on Data Envelopment Analysis in Philadelphia, Pennsylvania.

June 2008, presented paper “Input Price Variation across Location and a Generalized Measure of Cost Efficiency” at the 5<sup>th</sup> North American Productivity Workshop in New York City, New York.

March 2008, presented paper “A Cost-constrained Measure of Energy-use Efficiency in U.S. Manufacturing – An Inter-state Comparison Using the Census of Manufacturing Data” at the 28<sup>th</sup> Annual Meeting of the Eastern Economists Association in Boston, Massachusetts.

***-Campus Presentations:***

October 2009 (Scheduled), present paper “A Study of Production Technology of the U.S. Dental Care Industry,” Brownbag Seminar Series, Department of Economics, University of Connecticut.

June 2009, presented paper “Parametric and Non-parametric Methods of Measuring Departmental Performance – An Application to Higher Education,” Luoqia Young Scholar Seminar on Economics and Management, Wuhan University.

December 2008, presented paper “An Overall Pareto-Koopmans DEA Efficiency Measurement of Colorado Dental Practices,” Brownbag Seminar Series, Department of Economics, University of Connecticut.

March 2008, presented paper “A Cost-constrained Measure of Energy-use Efficiency in U.S. Manufacturing – An Inter-state Comparison Using the Census of Manufacturing Data,” Brownbag Seminar Series, Department of Economics, University of Connecticut.

December 2007, presented paper "Input Price Variation across Location and a Generalized Measure of Cost Efficiency," Lingnan Scholar Seminar Series, Department of Economics, Sun Yat-sen University.

November 2007, presented paper "Stochastic Frontier Analysis of Dental Care – A Study of Practice Level Data," Brownbag Seminar Series, Department of Economics, University of Connecticut.

***Research Experience:***

Spring 2009 and Summer 2009: Research Assistant for the Dean of College of Liberal Arts and Sciences (CLAS), University of Connecticut, on the Project of Evaluating the Performance of Departments in CLAS

Summer 2008: Research Assistant for Prof. Tryfon Beazoglou on the Connecticut Public Dental Clinic Productivity Evaluation Project

Summer 2007: Research Assistant for Prof. Dennis Heffley and Prof. Subhash Ray on the Colorado Dental Practice Productivity Evaluation Project

Summer 2006: Research Assistant for Prof. Dennis Heffley and Prof. Subhash Ray on the Connecticut Public Education Efficiency Evaluation Project

Summer 2004, Spring 2004, Fall 2003, and Summer 2003: Research Assistant for Prof. George Gibson, Department of Physics, University of Connecticut

***Teaching Experience:***

Instructor, Department of Economics, University of Connecticut:

Operations Research – Fall 2009, Summer 2009

Intermediate Microeconomics – Fall 2008

Principles of Microeconomics – Summer 2008

Teaching Assistant, Department of Economics, University of Connecticut:

Microeconomics III – Spring 2009, Spring 2008

Microeconomics I – Fall 2007

Econometrics III – Spring 2008

Econometrics II – Fall 2009, Fall 2007

Operations Research – Spring 2009, Spring 2008, Spring 2007, Fall 2005

Intermediate Microeconomics – Spring 2006

Principles of Macroeconomics – Fall 2006

Information Technology for Economics – Fall 2005

Lab Instructor, Department of Physics, University of Connecticut:

Electricity, Magnetism, and Mechanics – Spring 2005, Fall 2004

Elements of Physics – Spring 2005, Spring 2004

Optics – Fall 2003

Teaching Assistant, Department of Physics, University of Connecticut:

Elements of Physics – Spring 2003

General Physics – Fall 2002

***Honors:***

2002—present Graduate Assistantship, University of Connecticut  
2008—2009 Albert E. Waugh Scholarship, University of Connecticut  
2008—2009 Economics Department Fellowship, University of Connecticut  
2007—2008 Economics Department Fellowship, University of Connecticut  
2005—2006 Pre-doctoral Fellowship, University of Connecticut  
2002—2003 Pre-doctoral Fellowship, University of Connecticut  
2001—2002 Distinguished Graduate Scholarship, Sun Yat-sen University  
2000—2001 Distinguished Graduate Scholarship, Sun Yat-sen University

***Computational Skills:***

Skilled in application of C programming, Excel, Matlab, SAS, Shazam, Stata.

***References:***

Professor Subhash Ray  
Department of Economics  
University of Connecticut  
341 Mansfield Road, Unit 1063  
Storrs, CT 06269-1063  
Phone: (860)486-3967  
Fax: (860)486-4463  
Email: Subhash.Ray@uconn.edu

Professor Dennis Heffley  
Department of Economics  
University of Connecticut  
341 Mansfield Road, Unit 1063  
Storrs, CT 06269-1063  
Phone: (860)486-4669  
Fax: (860)486-4463  
Email: Dennis.Heffley@uconn.edu

Professor Tryfon Beazoglou  
Division of Pediatric Dentistry  
University of Connecticut Health Center  
263 Farmington Ave  
Farmington, CT 06030-1610  
Phone: (860)679-3814  
Fax: (860)679-4078  
Email: beazoglou@nso1.uhc.edu