

# KARIM CHALAK

## PERSONAL

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Born: March 1982	Department of Economics
Webpage: <a href="https://www2.bc.edu/~chalak/">https://www2.bc.edu/~chalak/</a>	Boston College
Email: <a href="mailto:chalak@bc.edu">chalak@bc.edu</a>	140 Commonwealth Avenue
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## EDUCATION

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B.A. Economics (major)/Mathematics (minor) (1999 – 2002), with High Distinction	American University of Beirut, Lebanon
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M.A. in Economics (2002 – 2004)	University of California, San Diego
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Ph.D. in Economics (2002 – 2007)	University of California, San Diego
Thesis title: “Essays on the Definition, Identification, and Estimation of Causal Effects”	
Thesis committee: Halbert White (Chair), Julian Betts, Graham Elliott, Clive Granger, Mark Machina, Dimitris Politis, and Ruth Williams	

## ACADEMIC POSITIONS

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07/07 – present	Assistant Professor, Department of Economics, Boston College
09/09 – 01/10	Visiting Scholar, Department of Economics, Harvard University

## RESEARCH INTERESTS

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Econometric Theory, Applied Econometrics, Causal Inference

## REFEREED PUBLISHED PAPERS

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White, H. and K. Chalak (2009), “Settable Systems: An Extension of Pearl’s Causal Model with Optimization, Equilibrium, and Learning,” *Journal of Machine Learning Research*, 10, 1759-1799.

White, H. and K. Chalak (2010), “Testing a Conditional Form of Exogeneity,” *Economics Letters*, 109, 88-90.

Chalak, K. and H. White (2011), “An Extended Class of Instrumental Variables for the Estimation of Causal Effects,” *Canadian Journal of Economics*, 44, 1-51.

White, H., K. Chalak, and X. Lu (2011), “Linking Granger Causality and the Pearl Causal Model with Settable Systems,” *Journal of Machine Learning Research Workshop and Conference Proceedings*, 12, 1-29.

Schennach, S. M., H. White, and K. Chalak (2012), “Local Indirect Least Squares and Average Marginal Effects in Nonseparable Structural Systems,” *Journal of Econometrics*, 166, 282-302.

Chalakov, K. and H. White (2012), "Causality, Conditional Independence, and Graphical Separation in Settable Systems," *Neural Computation*, 24, 1611–1668.

Chalakov, K. (2013), "Identification without Exogeneity under Equiconfounding in Linear Recursive Structural Systems," in X. Chen and N. Swanson (eds.), *Causality, Prediction, and Specification Analysis: Recent Advances and Future Directions - Essays in Honor of Halbert L. White, Jr.*, Springer, 27-55.

White, H. and K. Chalakov (2013), "Identification and Identification Failure for Treatment Effects using Structural Systems," *Econometric Reviews*, 32, 273-317.

White, H., H. Xu, and K. Chalakov, "Causal Discourse in a Game of Incomplete Information," *Journal of Econometrics*, accepted.

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### **PUBLISHED COMMENTS AND REVIEWS**

Chalakov, K. (2010), "Book Review: *Statistical Models and Causal Inference: A Dialogue with the Social Sciences*, by David A. Freedman," *Journal of Economic Literature*, 48, 1033-1035.

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### **PAPERS UNDER REVISION**

Chalakov, K. (2013), "Instrumental Variables Methods with Heterogeneity and Mismeasured Instruments," revise and resubmit, *Econometric Theory*.

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### **WORKING PAPERS**

Chalakov, K. (2013), "Identification of Average Effects under Magnitude and Sign Restrictions on Confounding," Boston College Department of Economics Working Paper.

Chalakov, K. and D. Kim (2013), "Identification in Systems of Multiple Structural Equations under Restrictions on Confounding."

White, H., M. Al-Sadoon, and K. Chalakov (2011), "Rational Expectations and Causality: A Settable Systems View."

Chalakov, K. and H. White (2007), "Identification with Conditioning Instruments in Causal Systems."

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### **HONORS, SCHOLARSHIPS, AND GRANTS**

06/13:	Boston College Research Incentive Grant.
06/12:	Boston College Research Expense Grant.
06/11:	Boston College Research Incentive Grant.
09/03 – 06/07:	Tuition Scholarship, Department of Economics, UCSD.
05/06:	Sigmond Schwartz Scholarship, UCSD Friends of the International Center.
04/06:	Dean of Social Sciences Travel Grant, UCSD.
10/05:	Walter P. Heller Graduate Award for Outstanding Third-Year Paper 2004-2005, Department of Economics, UCSD.

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### **TEACHING EXPERIENCE**

EC825: Topics in Econometric Theory (Graduate, Boston College)  
EC828: Econometric Theory II (Graduate, Boston College)  
EC228: Econometric Methods (Undergraduate, Boston College)

Econ 178: Economic and Business Forecasting (Undergraduate, UCSD)

**Ph.D. Thesis Committee Member:** Elizaveta Shevyakhova, Hongtao Zhou.

### **INVITED CONFERENCE PRESENTATIONS**

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Junior Festival on New Developments in Microeconometrics, Northwestern University, March 2-3, 2012.

2011 Joint Statistical Meetings, Invited Session “Causal Diagrams and Causal Inference,” Miami, Florida, August 1, 2011.

### **SEMINAR PRESENTATIONS**

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Econometrics Seminar, University of Southern California, October 4, 2013.  
Econometrics Seminar, University of California, Los Angeles, October 2, 2013.  
Econometrics Seminar, University of California, San Diego, October 1, 2013.  
Econometrics Seminar, Federal Reserve Bank of Cleveland, September 27, 2013.  
Research in Econometrics Workshop, Boston College, September 21, 2012.  
Research in Econometrics Workshop, Boston College, May 14, 2012.  
Causal Inference Seminar, Harvard University, Epidemiology and Biostatistics, April 30, 2012.  
Econometrics Seminar, Stanford University, May 18, 2011.  
Econometrics Seminar, University of California, Davis, May 16, 2011.  
Econometrics Seminar, Harvard/MIT, April 28, 2011.  
Econometrics Seminar, Northwestern University, April 26, 2011.  
Econometrics Seminar, University of British Columbia, April 15, 2011.  
Econometrics Seminar, University of Oxford, March 11, 2011.  
Econometrics Seminar, University College London, March 8, 2011.  
Research in Econometrics Workshop at Boston College, December 9, 2010.  
Econometrics Seminar, Yale University, December 1, 2010.  
Econometrics Seminar, Ohio State University, October 26, 2010.  
Econometrics Seminar, University of California, Riverside, September 27, 2010.  
Econometrics Seminar, Brown University, April 5, 2010.  
Econometrics Seminar, University of California, San Diego, March 2, 2010.  
Labor Lunch Seminar, Boston College, Feb 26, 2010.  
Research in Econometrics Workshop, Harvard University, November 9, 2009.  
Econometrics Seminar, New York University, October 31, 2008.  
Econometrics Seminar, Pennsylvania State University, October 21, 2008.  
Econometrics Seminar, Yale University, May 7, 2008.  
Econometrics Seminar, Syracuse University, February 8, 2008.  
Econometrics Workshop, Harvard/MIT, September 20, 2007.  
Seminar, University of North Carolina, Chapel Hill, February 16, 2007.  
Seminar, University of Montréal, February 14, 2007.  
Seminar, University of California, Los Angeles, February 12, 2007.  
Seminar, University of Maryland, February 2, 2007.  
Seminar, Georgetown University, February 1, 2007.  
Seminar, University of Texas, Austin, January 30, 2007.  
Seminar, University of Pittsburgh, January 26, 2007.  
Seminar, Boston University, January 25, 2007.  
Seminar, Boston College, January 24, 2007.  
Seminar, New York University, January 22, 2007.  
Econometrics Seminar, University of California, San Diego, November 14, 2006.

Econometrics Seminar, University of California, Berkeley, September 21, 2006.  
Econometrics Workshop, University of California, Los Angeles, May 04, 2006.  
Econometrics Seminar, University of California, San Diego, April 11, 2006.  
Applied Lunch Seminar, University of California, San Diego, May 06, 2005.

### **CONTRIBUTED CONFERENCE PRESENTATIONS**

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The 23<sup>rd</sup> Annual Meeting of the Midwest Econometrics Group, Indiana University, Bloomington, October 25-26, 2013.  
The 2013 North American Summer Meeting of the Econometric Society, University of Southern California, June 14, 2013.  
New York Camp Econometrics VIII, April 5, 2013.  
The 2013 North American Winter Meeting of the Econometric Society, San Diego, California, January 4, 2013.  
BU-BC Green Line Econometrics Conference, December 14, 2012.  
California Econometrics Conference 2012, University of California, Davis, September 28, 2012.  
BU-BC Green Line Econometrics Conference, November 18, 2011.  
Conference in Honor of Halbert L. White, Jr. - Causality, Prediction, and Specification Analysis: Recent Advances and Future Directions, San Diego, May 6-7, 2011.  
The 2011 North American Winter Meeting of the Econometric Society, Denver, Colorado, January 9, 2011.  
California Econometrics Conference 2010, Stanford University, September 25, 2010.  
The 2009 European Summer Meeting of the Econometric Society, Barcelona Graduate School of Economics, August 26, 2009.  
The 2009 North American Summer Meeting of the Econometric Society, Boston University, June 4, 2009.  
The 2008 European Summer Meeting of the Econometric Society, Università Bocconi, Milan, Italy, August 30, 2008.  
The 2008 North American Summer Meeting of the Econometric Society, Carnegie Mellon University, June 19, 2008.  
The 61<sup>st</sup> European Meeting of the Econometric Society, Universität Wien, Vienna, Austria, August 27, 2006.  
The 2006 North American Summer Meeting of the Econometric Society, University of Minnesota, Minneapolis, June 23, 2006.  
The 4<sup>th</sup> Annual Advances in Econometrics Conference, Volume XXI, “Modeling and Evaluating Treatment Effects in Econometrics”, Southern Methodist University, Dallas, Texas, October 30, 2005.

### **ATTENDED CONFERENCES**

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Atlantic Causal Inference Conference 2013, Harvard University, May 20-21, 2013.  
Econometrics of Demand, MIT, May 27-18, 2011.  
Meeting on Methodology for Empirical Research on Social Interactions, Social Networks, and Health II, The Institute for Quantitative Social Science, Harvard University, November 13-14, 2009.  
Conference on the Econometrics of Demand, Brown University, May 4-6, 2009.  
The 9<sup>th</sup> World Congress of the Econometric Society, University College London, London, August 19-24, 2005.  
Royal Economic Society’s Summer School in Econometrics: Causality, Nuffield College, University of Oxford, August 15-18, 2005.

Handbook of Economic Forecasting Conference, University of California, San Diego, April 16-17, 2004.

The 2004 North American Winter Meeting of the Econometric Society, San Diego, California, January 3-5, 2004.

## **PROFESSIONAL ACTIVITIES**

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**Journal Referee:** *American Economic Review, American Journal of Agricultural Economics, Canadian Journal of Economics, Econometric Reviews, Econometric Theory, Econometrica, Economics, Economics Letters, Evaluation Review, Festschrift in Honor of Halbert L. White, Jr., IEEE Signal Processing Letters, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Economic Surveys, Journal of Finance, Mathematical Population Studies, Oxford Bulletin of Economics and Statistics, Review of Economics and Statistics, Review of Economic Studies.*

**Paper Discussant:**

The 2011 North American Winter Meeting of the Econometric Society, Denver, Colorado, January 9, 2011.

**Seminar Organization:**

The Research in Econometrics Workshop at Boston College (Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012).

## **PROFESSIONAL MEMBERSHIPS**

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Econometric Society, American Economic Association, Royal Economic Society, American Statistical Association.

## **LANGUAGES**

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English (fluent), French (fluent), Arabic (fluent).

*Last revised: November 2013.*