

# KARIM CHALAK

## PERSONAL

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Born: March 1982  
Webpage: <http://people.virginia.edu/~kmc2yf/>  
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Charlottesville, VA 22903, USA

## EDUCATION

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B.A. Economics (major)/Mathematics (minor) American University of Beirut, Lebanon  
(1999 - 2002), with High Distinction

M.A. in Economics University of California, San Diego  
(2002 - 2004)

Ph.D. in Economics University of California, San Diego  
(2002 - 2007)

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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Aug 2014 - present: Assistant Professor, Department of Economics, University of Virginia  
Jan 2018 - Feb 2018: Visiting Faculty, Cowles Foundation, Yale University  
Sep 2009 - Jan 2010: Visiting Scholar, Department of Economics, Harvard University  
Jul 2007 - Jun 2014: Assistant Professor, Department of Economics, Boston College

## 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.

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

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

White, H., H. Xu, and K. Chalak (2014), "Causal Discourse in a Game of Incomplete Information," *Journal of Econometrics*, 182, 45-58.

Chalak, K. (2017), "Instrumental Variables Methods with Heterogeneity and Mismeasured Instruments," *Econometric Theory*, 33, 69-104.

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#### **PUBLISHED COMMENTS AND REVIEWS**

Chalak, 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 REVIEW OR REVISION**

Chalak, K. (2018), "Identification of Average Effects under Magnitude and Sign Restrictions on Confounding," revised and resubmitted, *Quantitative Economics*.

Chalak, K. and D. Kim (2017), "Measurement Error without Exclusion: the Returns to College Selectivity and Characteristics," revision requested, *Journal of Business and Economic Statistics*.

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#### **WORKING PAPERS**

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

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

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

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

Jun 2017:	Bankard Fund for Political Economy
Jun 2013:	Boston College Research Incentive Grant
Jun 2012:	Boston College Research Expense Grant
Jun 2011:	Boston College Research Incentive Grant

Sep 03 - Jun 07: Tuition Scholarship, Department of Economics, UCSD  
May 2006: Sigmond Schwartz Scholarship, UCSD Friends of the International Center  
Apr 2006: Dean of Social Sciences Travel Grant, UCSD  
Oct 2005: Walter P. Heller Graduate Award for Outstanding Third Year Paper 2004-2005, Department of Economics, UCSD

## **TEACHING EXPERIENCE**

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ECON 8710: Cross Section Econometrics (Graduate, University of Virginia)  
EC825: Topics in Econometric Theory (Graduate, Boston College)  
EC828: Econometric Theory II (Graduate, Boston College)  
ECON 3720: Introduction to Econometrics (Undergraduate, University of Virginia)  
EC228: Econometric Methods (Undergraduate, Boston College)  
Econ 178: Economic and Business Forecasting (Undergraduate, UCSD)

**Ph.D. Thesis Committee Member:** Elizaveta Shevyakhova, Hongtao Zhou, Alicia Baik, Fang Guo

## **INVITED CONFERENCE PRESENTATIONS**

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2016 - 2017: The Tenth Annual West Coast Experiments Conference, UCLA  
2013 - 2014: Cowles Foundation Summer Conference on Econometrics, Yale University  
2011 - 2012: Junior Festival on New Developments in Microeconometrics, Northwestern University  
2010 - 2011: Joint Statistical Meetings, Invited Session "Causal Diagrams and Causal Inference," Miami, Florida

## **SEMINAR PRESENTATIONS**

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2017 - 2018: SUNY Binghamton • UVA Quantitative Collaborative  
2015 - 2017: Virginia Tech • Vanderbilt University • UNC • BC • UVA  
2014 - 2015: Georgetown • Federal Reserve Bank of Cleveland  
2013 - 2014: Federal Reserve Bank of Cleveland • UCSD • UCLA • USC • University of Pittsburgh • University of Wisconsin - Milwaukee • Oxford • Royal Holloway University of London • University of Leicester • University of Virginia • University of Montréal  
2011 - 2013: Harvard (Epidemiology and Biostatistics) • Boston College (2)  
2010 - 2011: UC Riverside • Ohio State University • Yale • Boston College • University College London • Oxford • University of British Columbia • Northwestern • Harvard/MIT • UC Davis • Stanford  
2009 - 2010: Harvard (Research in Econometrics Workshop) • Boston College • UCSD • Brown  
2008 - 2009: Pennsylvania State University • NYU  
2007 - 2008: Harvard/MIT • Syracuse University • Yale  
2006 - 2007: UC Berkley • UCSD • NYU • Boston College • Boston University • University of Pittsburgh • UT Austin • Georgetown • University of Maryland • UCLA • University of Montréal • UNC  
2005- 2006: UCSD (2) • UCLA

## **CONTRIBUTED CONFERENCE PRESENTATIONS**

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- 2017 - 2018: 27th Annual Meeting of the Midwest Econometrics Group, Texas A&M • Southern Economic Association 87<sup>th</sup> Annual Meeting, Tampa • 2017 Triangle Econometrics Conference, Duke • The Lebanese Econometric Study Group 2017 Meeting, AUB
- 2016 - 2017: The Lebanese Econometric Study Group 2016 Meeting, AUB • New York Camp Econometrics XII • The 2017 North American Summer Meeting of the Econometric Society, Washington University in St. Louis • The 70<sup>th</sup> European Meeting of the Econometric Society, Lisbon, Portugal
- 2015 - 2016: Southern Economic Association 85<sup>th</sup> Annual Meeting, New Orleans
- 2014 - 2015: The World Congress of the Econometric Society, Montreal
- 2013 - 2014: The 23<sup>rd</sup> Annual Meeting of the Midwest Econometrics Group, Indiana University • 9th Greater New York Metropolitan Area Econometrics Colloquium, Penn State
- 2012 - 2013: California Econometrics Conference 2012, UC Davis • BU-BC Green Line Econometrics Conference • The 2013 North American Winter Meeting of the Econometric Society, San Diego • New York Camp Econometrics VIII • The 2013 North American Summer Meeting of the Econometric Society, USC
- 2011 - 2012: BU-BC Green Line Econometrics Conference
- 2010 - 2011: California Econometrics Conference 2010, Stanford • The 2011 North American Winter Meeting of the Econometric Society, Denver, Colorado • Conference in Honor of Halbert L. White, Jr. - Causality, Prediction, and Specification Analysis: Recent Advances and Future Directions, UCSD
- 2008 - 2010: The 2009 North American Summer Meeting of the Econometric Society, Boston University • The 2009 European Summer Meeting of the Econometric Society, Barcelona Graduate School of Economics
- 2007 - 2008: The 2008 North American Summer Meeting of the Econometric Society, Carnegie Mellon University • The 2008 European Summer Meeting of the Econometric Society, Università Bocconi, Milan, Italy
- 2005 - 2007: The 4<sup>th</sup> Annual Advances in Econometrics Conference, Volume XXI, "Modeling and Evaluating Treatment Effects in Econometrics", Southern Methodist University • The 2006 North American Summer Meeting of the Econometric Society, University of Minnesota • The 61<sup>st</sup> European Meeting of the Econometric Society, Universität Wien, Vienna, Austria

## **ATTENDED CONFERENCES**

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- 2014 - 2015: The 2015 North American Winter Meeting of the Econometric Society, Boston • Interactions: Bringing Together Econometrics and Applied Microeconomics, Becker Friedman Institute, University of Chicago
- 2013 - 2014: BU-BC Green Line Econometrics Conference • Demand Estimation and Modelling, Boston College
- 2012 - 2013: Atlantic Causal Inference Conference 2013, Harvard University
- 2010 - 2011: Econometrics of Demand, MIT
- 2009 - 2010: Meeting on Methodology for Empirical Research on Social Interactions, Social Networks, and Health II, The Institute for Quantitative Social Science, Harvard University
- 2008 - 2009: Conference on the Econometrics of Demand, Brown University

- 2004 - 2005: Royal Economic Society's Summer School in Econometrics: Causality, Nuffield College, University of Oxford • The 9<sup>th</sup> World Congress of the Econometric Society, University College London
- 2003 - 2004: The 2004 North American Winter Meeting of the Econometric Society, San Diego • Handbook of Economic Forecasting Conference, UCSD

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## PROFESSIONAL SERVICE

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**Journal Referee:** *American Economic Review, American Journal of Agricultural Economics, Annals of Statistics, Canadian Journal of Economics, Computational Economics, Econometric Reviews, Econometric Theory, Econometrica, Economics, Economics Letters, Festschrift in Honor of Halbert L. White, Jr., IEEE Signal Processing Letters, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Causal Inference, Journal of Econometrics, Journal of Economic Surveys, Journal of Finance, Journal of Political Economy, Oxford Bulletin of Economics and Statistics, Quantitative Economics, Review of Economics and Statistics, Review of Economic Studies, Statistica Neerlandica.*

**Paper Discussant:**

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

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## DEPARTMENT SERVICE

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2016-2017: Member of the Distinguished Majors Program Committee, University of Virginia

2015-2016: Member of the Recruiting Committee, University of Virginia

2014-2015: Member of the Graduate Admission Committee, University of Virginia

2010-2012: Seminar Organizer, The Research in Econometrics Workshop, Boston College

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## LANGUAGES

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English, French, Arabic.

*Last revised: February 2018*