

KARIM CHALAK

PERSONAL

Born: March 1982
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Department of Economics
University of Virginia
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248 McCormick Rd,
Charlottesville, VA 22903, USA

EDUCATION

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

8/2014 - present: Assistant Professor, Department of Economics, University of Virginia
7/2007 - 6/2014: Assistant Professor, Department of Economics, Boston College

ACADEMIC VISITING POSITIONS

5/21/2018 - 5/24/2018: Visiting Faculty, Department of Economics, University College London
4/30/2018 - 5/18/2018: Academic Visitor, Department of Economics, University of Oxford
1/16/2018 - 2/7/2018: Visiting Faculty, Cowles Foundation, Yale University
9/2009 - 1/2010: Visiting Scholar, Department of Economics, Harvard University

RESEARCH INTERESTS

Econometric Theory, Applied Econometrics, Causal Inference

REFEREED PUBLISHED PAPERS

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.

Chalakov, 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. Chalakov, 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. Chalakov (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 (2014), "Causal Discourse in a Game of Incomplete Information," *Journal of Econometrics*, 182, 45-58.

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

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.

PAPERS UNDER REVIEW OR REVISION

Chalakov, K. (2018), "Identification of Average Effects under Magnitude and Sign Restrictions on Confounding," second revision requested, *Quantitative Economics*.

Chalakov, K. and D. Kim (2018), "Measurement Error without Exclusion: the Returns to College Selectivity and Characteristics," second revision requested, *Journal of Business and Economic Statistics*.

Chalakov, K. and D. Kim (2019), "Measurement Error in Multiple Equations: Tobin's q and Corporate Investment, Saving, and Debt," submitted.

WORKING PAPERS

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."

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

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

2017 - 2018: Joint Conferences on Causal Inference, Institutions and Law Making, Emory University • 93rd Annual Conference of the Western Economics Association International, Vancouver, Canada
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

2017 - 2018: SUNY Binghamton • UVA Quantitative Collaborative • Emory University, Institute of Quantitative Theory and Methods • University of Oxford
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

2018 - 2019: Southern Economic Association 88th Annual Meeting • 2018 Triangle
 Econometrics Conference, Duke
 2017 - 2018: 27th Annual Meeting of the Midwest Econometrics Group, Texas A&M •
 Southern Economic Association 87th 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 70th European
 Meeting of the Econometric Society, Lisbon, Portugal
 2015 - 2016: Southern Economic Association 85th Annual Meeting, New Orleans
 2014 - 2015: The World Congress of the Econometric Society, Montreal
 2013 - 2014: The 23rd 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 4th 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 61st European Meeting of
 the Econometric Society, Universität Wien, Vienna, Austria

ATTENDED CONFERENCES

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 9th 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

PROFESSIONAL SERVICE

Journal Referee: *American Economic Review, American Journal of Agricultural Economics, Annals of Statistics, Biometrika, 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.

DEPARTMENT SERVICE

2017-2018: Member of the Recruiting Committee, University of Virginia
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

LANGUAGES

English, French, Arabic.

Last revised: February 2019