

## **Mehmet Caner**

**MAY 2018**

**VISITING PROFESSOR: COLUMBIA UNIVERSITY DEPARTMENT OF ECONOMICS, FALL 2018**

### **OFFICE ADDRESS**

Ohio State University  
Department Of Economics  
452 Arps Hall  
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### **CURRENT POSITION**

**Professor of Economics (with tenure): Ohio State University, Aug 1 2015-  
Translational Data Analytics -Ohio State University  
Courtesy Appointment: Professor of Statistics, Department of Statistics, Ohio  
State University**

### **Editorial Duties:**

Associate Editor: *Journal of Econometrics*, Jan 2013-.  
Guest Co-Editor, *Journal of Econometrics*, Special Issue on GMM, October 2012.  
Associate Editor: *Journal of Business and Economics Statistics*, Jan 1 2014-.  
Associate Editor: *Econometric Reviews*, Jan 2013-.  
Guest Co-Editor: *Econometric Reviews*, Special Issue on Model Selection and Shrinkage. July 2013, deadline for the papers.

Associate Editor: *Studies in Nonlinear Dynamics and Econometrics*, March 2012-.2016

## **HONORS AND AWARDS**

*Journal of Econometrics* Fellow, 2012.

Multa Scripsit Award, *Econometric Theory*, 2005.

Owens Scholar, NCSU, 2012-2013.

Research Award, Department of Economics, NCSU, 2009,2014.

Gill Grant, NC State University, July 2008, 10000\$.

Outstanding Faculty, University of Pittsburgh, 2006.

First In The Graduates In College of Economic Sciences, METU, 1988.

## **PREVIOUS POSITIONS**

**Thurman-Raytheon Distinguished Professor of Economics:** July 10 2013-July 2015, North Carolina State University.

Professor, North Carolina State University, Department of Economics, August 2009-2013 July 9.

Scientific Advisory Board Member, CEFAGE, Portugal.

**January-June 2015 (Visiting Profesor) Department of Economics, MIT.**

### **North Carolina State University**

Associate Professor (with tenure), Department of Economics, August 2007-August 2009.

### **University of Pittsburgh,**

Associate Professor (with tenure), Department of Economics, September 2004 – August 2007.

### **University of Pittsburgh**

Assistant Professor Sep.2000-Sep.2004.

**University of Michigan,Ann Arbor,** Visiting Assistant Professor, Department of Economics, January-May 1998.

**Bilkent University**, Bilkent , Ankara TURKEY

Assistant Professor, Department of Economics, May 1998-Sep.2000.

**Koc University**, Istanbul, TURKEY, Assistant Professor of Economics, Sep.1996-

Jan 1998.

## **EDUCATION**

Ph.D., Economics, Brown University, 1996.

A.M., Economics, Brown University, 1993.

B.S., Business Administration, METU, Turkey, 1988.

## **RESEARCH INTERESTS**

Econometrics, Empirical International Economics-Finance.

## **ORGANIZED CONFERENCE:**

November 12, 2011, Information Theory and Shrinkage Estimators, jointly organized with Amos Golan, Peter C.B. Phillips.

## **Citation Count:**

Scholar Google as of MAY 1 2018: 2423

ISI(Social Science citation index) web of science: 629

## **PUBLISHED ARTICLES (All Refereed)**

1. "Weak Convergence to a Matrix Stochastic Integral with Stable Processes," **Econometric Theory**, 13, August (1997), 506-29.

2. "A Locally Optimal Seasonal Unit Root Test," **Journal of Business and Economic Statistics**, 16, July (1998), 349-356.
3. "Tests for Cointegration with Infinite Variance Errors," **Journal of Econometrics**, 86, September (1998), 155-175.
4. "Threshold Autoregressions with a Unit Root," (with Bruce E. Hansen), **Econometrica**, 69, November (2001), 1555-1597.
5. "Size Distortions of Tests of the Null Hypothesis of Stationarity: Evidence and Implications for the PPP debate," (with Lutz Kilian), **Journal of International Money and Finance**, 20, October (2001), 639-657.
6. "A note on LAD Estimation of a Threshold Model," **Econometric Theory**, 18, June (2002), 800-814.
7. "Time-Varying Betas Help in Asset Pricing: Threshold CAPM," (with L. Akdeniz and A. Salih, Bilkent University). January (2003). **Studies in Nonlinear Dynamics and Econometrics**. (Funded by Central Research Fund, Univ. of Pittsburgh)
8. "Instrumental Variable Estimation of a Threshold Model," ( with Bruce Hansen, University of Wisconsin-Madison). **Econometric Theory**, (2004), 20, 813-843.
9. " Are Real Exchange Rates non-stationary or non-linear? Evidence from a new Threshold Unit Root Test," (with E.Basci, Bilkent University). **Studies in Nonlinear Dynamics and Econometrics**, (2005), vol.9.4.
10. Corrigendum with E. Basci and G. Yoon "Are Real Exchange Rates non-stationary or non-linear? Evidence from a new Threshold Unit Root Test" **Studies in Nonlinear Dynamics and Econometrics**, (2006).
11. " M Estimators with Non-Standard Rates of Convergence with Weakly Dependent Data", **Journal of Statistical Planning and Inference**, April (2006), 136, 1207-12.
12. "Boundedly Pivotal Structural Change Tests in Continuous Updating GMM with Strong, Weak Identification and Completely Unidentified Cases", (2007), **Journal of Econometrics**, 137, 28-67.
13. "Are the nearly exogenous Instruments reliable?" Joint With D. Berkowitz, Y. Fang, **Economics Letters**, (2008), 101, 20-23.(October)
14. "Nearly Singular Design in GMM and Generalized Empirical Likelihood Estimators" **Journal of Econometrics**, (2008), 144, 511-524.
15. "Lasso Type GMM Estimator" (2009), **Econometric Theory**, 25, 270-290.

16. "The Norwegian Sovereign Wealth Fund" (joint with Tom Grennes), (2009), **Revue d'Economie Financiere**. (Invited)(Special Issue for 2009)
17. "Testing, Estimation in GMM and CUE With Nearly-Weak Identification".(2010), **Econometric Reviews**, 29, 330-363.
18. "Analysis of Norwegian Sovereign Wealth Fund" with Tom Grennes, (2010), The **World Economy**. 33, 597-613. (Top Ten Downloaded papers in SSRN, Nov-Dec-2008, Jan 2009).
19. "Exponential Tilting With Weak Instruments: Estimation and Testing", (2010) **Oxford Bulletin of Economics and Statistics**, 72, 307-326.
20. Book Chapter: "Finding The Tipping Point-When Sovereign Debt Turns Bad" ***Conference Volume World Bank Conference on Debt Management,(refereed)***, (2010), (joint with Tom Grennes,NCSU, Fritz Koehler-Geib, World Bank).
21. "Determinants of Investment by Norwegian Sovereign Wealth Fund" joint with Turanay Caner, Tom Grennes, (2011), **Global Economy Journal**, Berkeley Electronic Press.
22. "A Pretest to differentiate between weak and nearly-weak instrument asymptotics", September (2011), **International Econometric Review**.
23. "Pivotal Structural Change Tests in Linear Systems with Weak Identification" (2011), **Econometric Theory** ,vol.27,2, 413-426.
24. "The Validity of Instruments Revisited" with D. Berkowitz, Y.Fang , (2012) Vol 166, 255-267, **Journal of Econometrics**.
25. "Editorial: 30 years of GMM" with M. Carrasco (main editor), Yuichi Kitamura, Eric Renault, (2012), 170, 251-255, **Journal of Econometrics**
26. "CUE with Many Weak Instruments and Nearly Singular Design", with N. Yildiz, (2012), Vol. 170, 422-441, **Journal of Econometrics**.
27. "An Alternative to Unit Root Tests: Bridge Estimators Differentiate between Nonstationary versus Stationary Models and Select Optimal Lag ". Joint with Keith Knight, (2013) 143, 691-715, **Journal of Statistical Planning and Inference**.
28. "Valid Tests When Instrumental Variables Do Not Perfectly Satisfy the Exclusion Restriction" (with J.A. Riquelme, D. Berkowitz), (2013), **Stata Journal**.
29. "Adaptive Elastic Net GMM Estimator with Diverging Number of Parameters", Joint With Helen Zhang, Department of Statistics.NCSU. (2014) 32, 30-47, **Journal of Business and Economics Statistics**
30. "Selecting the Correct Number of Factors in Approximate Factor Models: The Large Panel Case with Group Bridge Estimator" (2014), **Journal of Business and Economics Statistics**. (with Xu Han, City University of Hong Kong), vol 32, issue 3, p.359-374.

31. "Near Exogeneity and Weak Identification in Generalized Empirical Likelihood Estimators: Many Moment Asymptotics". (2014), **Journal of Econometrics**, vol 182 issue 2, p.247-268.

32. "Hybrid GEL Estimators: Instrument Selection with Adaptive Lasso" with Michael Fan, Xiamen University, WISE, **Journal of Econometrics**, July 2015, 187, 256-274.

33. "Oracle Inequalities in Convex Models" with A. Bredahl Kock. **Econometric Reviews**. 2016, 35, 1377-1411

34. "Comparison of several moment selection methods: A simulation study" with Essie Maasoumi, J.A. Riquelme. **Econometric Reviews**, 2016, 35, 1562-1581..

35. "Sharp Threshold Detection Based on Sup-norm Error Rates in High Dimensional Models" with L. Callot, (Free Univ. Amsterdam), A.B. Kock (Arhus Uni), and J.A. Riquelme, **2017-J. of Business and Economics Statistics**, 35, 250-264.

36. "Determining the number of factors with potentially strong block correlation error terms" **Econometric Reviews**, 2017, 36, 946-969. (joint with Xu Han)

37. "Adaptive Elastic Net GMM with many invalid moment conditions: Simultaneous model and moment selection" with Xu Han and Yoonseok Lee. **2018-Journal of Business and Economics Statistics**, 36, 24-46.

38. "Asymptotically Honest Confidence Regions for High Dimensional Parameters by The Desparsified Conservative Lasso" **2018, Journal of Econometrics**, 203, 143-168

## **SUBMITTED PAPERS (UNDER REVIEW)**

1. “Inference in partially identified models with many moment inequalities using Lasso” (joint with F. Bugni, A.B. Kock, S. Lahiri) submitted
3. “A relaxed approach to estimating large portfolios and gross exposure” (joint with E. Ulasan, L. Callot, O Onder) submitted
3. “Delta Theorem in the Age of High Dimensions” submitted to Econometric Theory.

## **WORK IN PROGRESS**

1. “Interaction of public and private debt in a dynamic threshold panel model with endogeneity” (joint with MQ. Fan. T. Grennes)
2. High Dimensional GMM, with Anders B Kock.

## **Discussion of Articles in Popular Press:**

1. Debt and Growth: Threshold effects: September 20, 2010: **The Economist Blog**: [www.economist.com/blogs/freeexchange/2010/09/debt\\_and\\_growth](http://www.economist.com/blogs/freeexchange/2010/09/debt_and_growth)

2. Special Report on the World Economy: p.10.  
**The Economist** Print Edition: October 9-16, 2010:

<http://www5.economist.com/node/17173878>

3. July 31, 2009. **Triangle Business Journal**: Discussion on Unit Roots versus Bridge Estimators.

<http://triangle.bizjournals.com/triangle/stories/2009/08/03/story11.html>

4. Newspaper Article: with Tom Grennes

“When The Debt Piles Up”, March 7, 2011. **Raleigh News and Observer**.

### ***Consulting:***

The World Bank: January-July 2009. June 2011-July 2011

**SERVICE: College Level Tenure Committee**, 2010-2011. North Carolina State University, Poole College of Management.

**University Scholar Choice Committee**, 2013. North Carolina State University, Poole College of Management.

**Graduate Admissions Committee**, 2013-2014. North Carolina State University, Poole College of Management.

**Chaired Professor Selection Committee**, 2014. North Carolina State University, Poole College of Management.

**Five year review of full professor committee: 2013-2014**. North Carolina State University, Poole College of Management.

**Graduate Admissions Committee**, Economics Department, Ohio State University, 2015

**Chairman of Economics, Selection Committee**: College of Arts and Sciences, Ohio State University.

### **Keynote Speaker:**

12 International Econometric Conference, Denizli, Turkey, Key Note Speaker, May 2011.

14 International Econometric Conference, Sarajevo, Bosnia, Key Note Speaker, May 2013.

Big Data in Economics, PUC-RIO, Brazil, October 2015.

### **Invited Talks at Conferences:**

Kansas econometrics Workshop, april 2018.

Large Dimensional Data Conference: May 2017, University of Montreal.

Asian Econometric Society, Hong Kong June 2017 (Declined due to distance and bad time)



Computational Finance Conference Seville Spain- December 2016, (Declined due to timing)

Hi Dimensional Econometrics, June 2015, University of Cambridge, UK.

Macro-Econometrics Conference May 2015, Department of Economics, University of York, UK.

High Dimension Reduction, University of Montreal, May 2012.

Macroeconomic and Financial Imbalances in National Economies and the World , Bosphorus University, Istanbul Turkey, 19-20 December 2011 .

“Econometric Aspects of Transmission Analysis'. University of Goettingen, Germany August 12-14, 2010

Nonlinear Time Series Conference, Xiamen University, China, May 2008..

## **PRESENTATIONS AT DEPARTMENTS: (Last 7 years)**

April 2017: Southern Methodist University, Economics Seminar

March 2017: NYU Stern Business School, Statistics Seminar

October 2016: McGill-Montreal-Concordia Econometrics Seminar

September 2016: Yale Economics Department-Cowles Foundation.

November 2015, University of Maryland, Economics Department.

December 2014, Ohio State University, Economics Department.

November 2014, Oxford University, Department of Economics.

December 2013, Massey University, New Zealand.

November 2013, UCLA.

September 2013, University of Iowa

May 2013, Bosphorus University, Istanbul, Turkey.

April 2013, Syracuse University.

October 2012, Penn State University.

October 2012, Aarhus University, Denmark, Econometrics Seminar.

September 2012: London School of Economics.

September 2012: Oxford University, Nuffield College.

September 2012, University of Alabama, Econometrics Seminar  
December 2011, Ege University, Econometric Seminar, Izmir Turkey.  
October 2011, Texas A&M University, Econometric Seminar  
October 2011, Rice University, Econometrics Seminar  
September 2011, Michigan State University, Econometric Seminar  
May 2010, Ohio State University, Econometrics Seminar.  
May 2010, Johns Hopkins University, Econometrics Seminar  
April 2010, University Of British Columbia, Econometrics Seminar  
April 2010, Simon Fraser University, Econometrics Seminar.

### **SEMINAR PRESENTATIONS AT CONFERENCES:** (Last 5 years)

SOFIE-LUGANO-2018 JUNE.

SOFIE NYU- JUNE 2017

MONTREAL HI DIMENSIONS CONFERENCE MAY 2017

ESEM-Geneva, August 2016.

World Congress Econometric Society- August 2015

International Econometrics Conference, Bosphorus University, June 2014.

Hi Dimensional Econometrics, November 2013, UCL, London.

EEA-ESEM 2013, Goteborg, Sweden. August 2013.

19 International Panel Data Conference, London, July 2013.

Bilkent Econometrics Summer Workshop, July 2013.

18 International Panel Data Conference Paris, France, July 2012.

Econometric Society Summer Meetings, Northwestern University, June 28-30, 2012.

Society for Dynamics and Nonlinear Econometrics Conference, April 2011, Istanbul Turkey

Macro Conference , Bosphorus University, December 2011.

Triangle Econometrics Seminar, December 2011.

Information Theory-Shrinkage Estimators, Organizer, Washington DC, November 2011.

Midwest Econometrics Group, University of Chicago Booth Business School, October 2011

NBER-NSF Time Series Meetings: September 2011.

Econometric Society Meetings, Europe, Norway, August 2011

Panel Data Conference, Mc Gill University, Canada July 2011.

High Dimension Reduction, December 2010, London.

Midwest Econometrics Group, Fall 2010, Washington, University St.Louis.

**TV (Interview): CNBC-E, (Turkish), June 26, 2008.**

## **REFEREEING**

National Science Foundation, Econometrica, Review of Economic Studies, Journal of Econometrics, Econometric Theory, International Economic Review , Journal of Business and Economic Statistics, Journal of Multivariate Analysis, Econometric Reviews, Journal of Applied Econometrics, Econometrics Journal, Journal of Economic Growth, Economics Letters, Journal of Statistical Planning and Inference, Social Sciences Council (Canada), Review of Economics Statistics.

**TEACHING:** Econometrics Undergrad- Graduate, Statistics Graduate.

## **Ph. D Students Advised**

1. George Levi Gayle, (Reader). Carnegie Mellon University, Tepper School of Business, Assistant Professor, 2003.
2. Wayne Gayle, (Reader). University of Virginia, Department of Economics, Assistant Professor, 2006.
3. Ying Fang, (Main Advisor). Xiamen University, China, Department of Economics, Assistant Professor, 2006.
4. Martin Burda (Main Advisor). University of Toronto, Canada, Department of Economics, Assistant Professor, 2007.
5. Gunce Eryuruk (Main Advisor), 2009, Assistant Professor, ITAM, Mexico, Department of Economics.
6. Michael Fan, (Main Advisor), 2012, Assistant Professor, Xiamen University.
7. Juan Andres Riquelme, 2015, University of Talca, Chile.
8. Neslihan Sakarya, 2017 (Reader). University of Essex.

**REFERENCES:**

**1. Professor Xiaohong Chen**  
**Malcolm K. Brachman Professor of Economics,**  
Yale University, Department of Economics  
Box 208281  
New Haven, CT 06520-8281, USA  
Email: xiaohong.chen@yale.edu  
Phone: 203-432-5852 ; Fax : 203-432-6167

**2. Jianqing Fan, Princeton University, Professor of Statistics,**

Frederick L. Moore '18 Professor of Finance

Chair, Department of Operations Research, Financial Engineering, 205 ORFE Building.

phone: 609-258-9863. email:jqfan@princeton.edu

**3. Professor Bruce Hansen**  
**Trygve Haavelmo Professor**  
Department of Economics  
University of Wisconsin-Madison  
1180 Observatory Drive  
Madison, Wisconsin, 53706-1393.  
Phone:608-263-3880  
Fax: 608-263-3876  
Office: 6438 William H. Sewell Social Science Building  
bruce.hansen@wisc.edu