Mehmet Caner

August 2019

OFFICE ADDRESS

North Carolina State University,
Department of Economics, ARPS HALL 4170

CURRENT POSITION

Thurman-Raytheon Distinguished Professor of Economics
Department of Economics, NCSU
Department of Agriculture and Resource Economics, NCSU

Editorial Duties:

Associate Editor: ***Journal of Econometrics***, Jan 2013-January 2019
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-December 2015.

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.

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

Professor of Economics (with tenure): Ohio State University, Aug 1 2015-August 15 2019
Translational Data Analytics Center-Ohio State University

Courtesy Appointment (with tenure): Professor of Statistics, Department of Statistics, Ohio State University

Visiting Professor of Economics: Columbia University-NY, Teaching Masters Econometrics Fall 2018

Thurman-Raytheon Distinguished Professor of Economics: July 10 2013-July 2015
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:

1. Scientific Chair- EC2- ROME DECEMBER 13-14 2018
2.November 12, 2011, Information Theory and Shrinkage Estimators, jointly organized with Amos Golan, Peter C.B. Phillips.

Citation Count:

Scholar Google as of August 19-2019: 2926
ISI(Social Science citation index) web of science: 670

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, Fritzi 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". **Journal of Econometrics, 2014,** 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.** 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, **Journal of Business and Economics Statistics*, 2017, APRIL ISSUE.***

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

37. "Determining the number of factors with potentially strong block correlation error terms" **Econometric Reviews**, 2017 (main author: Xu Han, Caner Contribution is very very minor**), 36, 947-969**

38. "Asymptotically Honest Confidence Regions for High Dimensional Parameters by the Desparsified Conservative Lasso" with A. B. Kock, **Accepted:** November 11 2018, **Journal of Econometrics, 203,143-168**

SUBMITTED PAPERS (UNDER REVIEW)

1. Delta theorem in age of hi dimensions. Revise and Resubmit at Econometric Reviews

2.“Estimating large portfolios through relaxed inverse” with E. Ulasan, L. Callot, O. Onde**r. Revise and Resubmit at Journal of Business Economics and Statistics**

3. Partial Identification with individual moment tests, (F. Bugni, A. B. Kock. Revise and Resubmit, J, of Statistical Planning and Inference.

4. Public-Private Debt interaction effect on GDP: A dynamic panel data analysis with endogenous threshold” (M. Fan T. Grennes), Reject and Resubmit, J. of Applied Econometrics

WORK IN PROGRESS

1. Incentive compatibility in lasso, Kfir Eliaz-Ran Spiegler
2. Maximum Sharpe Ratio in HIGH Dimensions
3. De-Sparsified GMM, with A.B. Kock

Discussion of Articles in Popular Press:

1. Debt and Growth: Threshold effects: September 20, 2010: **The Economist Blog**: www.**economist**.com/**blog**s/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**.

4. Excessive debt takes a toll on growth, online editorial Chicago Tribune. May 2019, with Tom Grennes
5. Blame outsized debt. Online editorial, The Hill, May 2019, with Tom Grennes, Qingliang Fan.

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

Keynote Speaker:
12 International Econometric Conference, Denizli, Turkey, Key Note Speaker, May 2011.
14 International Econometric Conference, Sarajevo, Bosnia, Key Note Speaker, May 2013.

Invited Talks at Conferences:

Large Dimensions in Econometrics, Montreal, May 2017.

Canadian Econometric Society, Plenary Session, October 2016.

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 8 years)

Fall 2018: University of Illinois-Urbana

Fall 2018: Rutgers University

Fall 2018: University of Virginia

Fall 2018: University of Washington –seattle.

November 2017, Emory University.

October 2017, University of Southern Califorinia.

October 2017, University of California-Irvine.

October 2017, University of California-Riverside.

April 2017, Southern Methodist University.

March 2017, NYU STERN-STATISTICS

November 2016, Montreal, McGill, Concordia Joint Econometrics

September 2016, Yale University, Department of Economics

November 2015, University of Maryland,Economics

December 2014, Ohio State University, Economicss 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.

December 2009, TOBB-Economy Technology University, Ankara Turkey

December 2009, Bilkent University, Ankara, Turkey

December 2009, University of Michigan Ann Arbor, Econometrics Seminar

November 2009, ITAM, Mexico, Econometrics Seminar.

October 2009, University of North Carolina, Chapel Hill, Econometrics Seminar

September 2009, Emory University, Econometrics Seminar

March 2009, Texas A&M , Econometrics Seminar

February 2009, Vanderbilt University, Econometrics Seminar

August 2008, U. Of North Carolina, Chapel Hill, Econometrics Seminar.

March 2008, London School of Economics, Econometrics and Statistics Workshop.

SEMINAR PRESENTATIONS AT CONFERENCES: (Last 8 years)

SOFIE-LUGANO 2018

Econometric Society, Summer meetings, Washington-St Louis, June 2017.

Society of Financial Econometrics, NYU-STERN, JUNE 2017

Midwest Econometrics Group, October 2016

ESEM, GENEVA, 2016 AUGUST.

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.

December 2009, Factor Model Conference in London. CASS Business School.

NBER-NSF Time Series Conference, 2009, UC Davis, September.

August 2009, Econometric Society, European Meetings, Barcelona, Spain.

August 2009, Econometric Society Meetings, Tokyo, Japan.

November 2008, Conference for Unobserved Factor Models, Birkbeck, University College London, UK.

September 2008, Bootstrap Conference, U. of Nottingham, UK.

June 2008, International Economic Association WORLD CONGRESS, ISTANBUL, TURKEY.

May 2008, Semiparametric and Nonparametric Econometrics, Seoul National University, Korea. (Special Issue of J. of Econometrics)

January 2008: AEA Meetings, International Finance Session, Invited Talk.

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, 2016, University Of Talca, Chile (Fullbright Scholar)

SERVICE: College level tenure committee, 2010-2011.
University scholar choice committee, 2013.
Graduate Admissions Commitee, 2013.
New Chair Selection Committee-OSU 2016
Graduate Student Selection-OSU-2015-2016

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
behansen@wisc.edu