

Curriculum Vitae
October 10, 2018

Serguei Maliar, Ph.D.
Associate Professor in Economics
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1. Education

a. Institutions of Higher Education:

Ph.D. in Economics, University Pompeu Fabra, Spain, 1999

PhD in Applied Mathematics, Zaporozhye State University, Ukraine, 1995

MA in Economics, Central European University, Czech Republic, 1994

B.S. in Physics and Applied Mathematics, Moscow Institute of Physics and Technology (Phis-Tech), Russia, June 1992

b. Title of Theses and Dissertations

September 1999	Ph.D. in Economics, University Pompeu Fabra, Spain <i>Thesis:</i> "Heterogeneity and the Representative Agent in Macroeconomics" <i>Advisor:</i> Morten Ravn (London School of Economics) <i>Defence committee:</i> Finn Kydland (Carnegie Mellon University) Andrew Scott (London Business School) Jordi Caballé (Universitat L'Autònoma de Barcelona) Franck Portier (Université des Sciences Sociales de Toulouse) Michael Reiter (Universitat Pompeu Fabra)
October 1995	PhD in Applied Mathematics, Zaporozhye State University, Ukraine

Thesis: "Multicriteria optimization on graphs"

Advisor: Perepelitsa Vitaliy (Zaporozhye State University)

Defense committee:

Pozhuev V.I. (Zaporozhye State Academy of Engineering)

Kiseliova E.M. (Zaporozhye State University)

c. Academic Grants and honors:

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| 2016-2019 | NSF grant "Analyzing non-stationary and unbalanced growth economic models", SES-1559407 (principal investigator), \$264,010 |
| 2017 | Faculty Research Course Release Program, Santa Clara University (recipient) |
| 2017 | Leavey Grant, Leavey School of Business, Santa Clara University (recipient) |
| 2016 | Leavey Grant, Leavey School of Business, Santa Clara University (recipient) |
| 2016 | Faculty Summer Stipend, Santa Clara University (recipient) |
| 2015 | Leavey Grant, Leavey School of Business, Santa Clara University (recipient) |
| 2014 | Leavey Grant, Leavey School of Business, Santa Clara University (recipient) |
| 2014 | Presidential Research Grant, Santa Clara University (recipient) |
| 2010-2013 | Research fellowship from the Hoover Institution, Stanford University, "Numerical solution methods for solving problems of high dimensionality" (principal investigator) |
| 2011-2013 | "Macroeconomic fluctuations and monetary policy", the Spanish Ministry of Education (investigator) |
| 2010-2011 | Mobility grant for research in the Hoover Institution at Stanford, the Generalitat of Valencia, BEST 2011 / 282 (principal investigator) |
| 2009-2010 | Mobility grant for research in the Hoover Institution at Stanford, the Generalitat of Valencia, BEST 2010 / 141 (principal investigator) |
| 2008-2009 | Salvador Madariaga mobility grant for research in the Hoover Institution at Stanford, the Spanish Ministry of Science and Innovation, PR2008-190, (principal investigator) |
| 2007-2008 | Grant for the project "Endogenous economic cycles and preferences for consumption growth", the Valencian Institute of Economic Research, (principal investigator) |

- 2003-2007 Grant "Ramón y Cajal" for the project "The aggregation theory and its application to macroeconomics", the Spanish Ministry of Science and Education, (principal investigator)
- 2005-2007 Grant for financing EERC-EROG research group on macroeconomics and transition, the EERC-EROG program at the National University "Kyiv-Mohyla Academy", (principal investigator)
- 2004-2007 Grant for the project "Problems of bankruptcy. Capital endowments and economic growth", the Ministry of Education, Culture and Sport, SEJ2004 - 08011ECON, (investigator)
- 2004-2006 Grant for the project "How can the EU enlargement affect the Spanish economy?", the Ramon Areces Foundation, (principal investigator)
- 2004 Grant for the JEDC project "Comparing numerical solutions of models with heterogeneous agents", the Stanford Institute for Theoretical Economics, (principal investigator)
- 2003-2004 Grant for the project "Comparing numerical solutions of heterogeneous agents models", the Valencian Institute of Economic Research, (principal investigator)
- 2002-2003 Grant for the project "Mergers and innovation, economic growth and technological progress", the Generalitat of Valencia, CTDIB//2002/314, (investigator)
- 2001-2004 Grant for the project "Distributive problems, economies of scale and economic growth", the Ministry of Science and Technology of Spain, BEC 2001-0535, (investigator)
- 2001-2002 Grant for the project "Endogenous growth and endogenous business cycle", the Valencian Institute of Economic Research, (investigator)
- 1995-1997 EU Tacis-ACE scholarship for studying in Doctoral Program in Economics at the University Pompeu Fabra, Spain, T95-5161-S
- 1993-1994 Soros Foundation Scholarship for studying in MA Program in Economics at the Central European University, Prague, Czech Republic.

2. Teaching and Related Experience

a. Teaching Experience:

Associate Professor, Leavey School of Business, Department of Economics, Santa Clara University, 2013- present, teaching two undergraduate courses:

Econ 113 (Intermediate Microeconomics I)

Econ 114 (Intermediate Microeconomics II)

Visiting Associate Professor, Department of Economics, Stanford University, 2011-2013

Econ 288 (Computational Economics), 2nd year PhD

Econ 202N (Microeconomics), 1st year PhD

Econ 203N (Game Theory), 1st year PhD

Visiting Faculty, Initiative for Computational Economics, University of Chicago, 2012

Full Professor (2013), Associate Professor (2003-2012), Assistant Professor (1999-2003), University of Alicante, Spain

Graduate courses "Macroeconomics III", "Advanced Macroeconomics", "Economic Growth" for 1st and 2nd year PhD students

Undergraduate courses "Mathematical Economics", "Statistics and Econometrics", "Advanced Macroeconomics" and "Money and Banking"

Visiting Professor, MA in Economics, EERC at the National University "Kyiv-Mohyla Academy", Ukraine, 2001-2010, (2 months per year)

Visiting Professor, Master Program in Economics, University of Bilbao, Spain, Graduate course: Macroeconomics I, 2007, 2010

Teaching Assistant, University Pompeu Fabra, Spain, 1996-1999

Teaching Assistant, Zaporozhye State University, Ukraine, 1992-1993

b. Other Academic Experience

Visiting Research Fellow, Hoover Institution, Stanford University, 2008-2011

Visiting Researches, Hoover Institution, Stanford University, Summer 2004

c. Relevant Non-Academic Professional Experience

Advisor to Canadian Central Bank: Model Development Division in the Canadian Economic Analysis Department, Canadian Central Bank.

Advisor to Income Club Investment Company: Optimal Bond Portfolio Choice Models.

Federal Reserve Board: Taught an intensive mini-course "Solution Methods for State-Dependent and Time-Dependent Models", Washington, August 2017 (jointly with Lilia Maliar).

3. Scholarly and Artistic Work

a. Publications:

1. Kenneth L. Judd, Lilia Maliar and Serguei Maliar, (2017). "Lower Bounds on Approximation Errors to Numerical Solutions of Dynamic Economic Models", *Econometrica* 85 (3), 991-1020.
2. Kenneth L. Judd, Lilia Malia, Serguei Malia and Inna Tsener, (2017). "How to Solve Dynamic Stochastic Models Computing Expectations Just Once", *NBER 17418, Quantitative Economics* 8 (3), 851-893.
3. Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, (2016). "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.
4. Lilia Maliar and Serguei Maliar, (2016). "Ruling Out Multiplicity of Smooth Equilibria in Dynamic Games: A Hyperbolic Discounting Example", *Dynamic Games and Applications* 6(2), 243-261, in special issue "Dynamic Games in Macroeconomics" edited by Edward C. Prescott and Kevin L Reffett.
5. Lilia Maliar and Serguei Maliar, (2015). "Merging Simulation and Projection Approaches to Solve High-Dimensional Problems with an Application to a New Keynesian model", *Quantitative Economics* 6, 1-47 (LEAD ARTICLE).
6. Kenneth L. Judd, Lilia Maliar, Serguei Maliar and Rafael Valero, (2014). "Smolyak Method for Solving Dynamic Economic Models: Lagrange Interpolation, Anisotropic Grid and Adaptive Domain", *Journal of Economic Dynamics and Control* 44(C), 92-123.
7. Lilia Maliar, Serguei Maliar and Sébastien Villemot, (2013). "Taking Perturbation to the Accuracy Frontier: A Hybrid of Local and Global Solutions", *Computational Economics* 42(3), pp 307-325.
8. Lilia Maliar and Serguei Maliar, (2013). "Envelope Condition Method versus Endogenous Grid Method for Solving Dynamic Programming Problems", *Economic Letters* 120, pp. 262-266.
9. Kenneth L. Judd, Lilia Maliar and Serguei Maliar, (2011). "Numerically Stable and Accurate Stochastic Simulation Methods for Solving Dynamic Models" and "Supplement", *Quantitative Economics* 2, 173-210.
10. Serguei Maliar, Lilia Maliar and Kenneth L. Judd, (2011). "Solving the Multi-Country Real Business Cycle Model Using Ergodic Set Methods" *Journal of Economic Dynamic and Control* 35(2), pp. 207-228.
11. Robert Kollmann, Serguei Maliar, Benjamin Malin and Paul Pichler, (2011). "Comparison of Solutions to the Multi-Country Real Business Cycle Model", *Journal of Economic Dynamics and Control* 35(2), pp. 186-202.
12. Lilia Maliar and Serguei Maliar, (2011). "Capital-Skill Complementarity and Steady-State Growth", *Economica* 78, pp. 240-259.

13. Lilia Maliar, Serguei Maliar and Fernando Valli, (2010). "Solving the Incomplete Markets Model with Aggregate Uncertainty Using the Krusell-Smith Algorithm", *Journal of Economic Dynamics and Control* 34, pp. 42-49.
14. Kateryna Garmel, Lilia Maliar and Serguei Maliar, (2008). "The EU Eastern Enlargement and FDI: the Implications from a Neoclassical Growth Model", *Journal of Comparative Economics* 36/2, pp. 307-325.
15. Lilia Maliar, Serguei Maliar and Fidel Perez, (2008). "Sovereign Risk, FDI Spillovers, and Economic Growth", *Review of International Economics* 16/3, pp. 463-477.
16. Dmytro Kylymnyuk, Lilia Maliar and Serguei Maliar, (2007). "Rich, Poor and Growth-Miracle Nations: Multiple Equilibria Revisited", *BE Journals in Macroeconomics, Topics in Macroeconomics*: Vol. 7: No. 1, Article 20.
17. Dmytro Kylymnyuk, Lilia Maliar and Serguei Maliar, (2007). "A Model of Unbalanced Sectorial Growth with Application to Transition Economies", *Economic Change and Restructuring* 40/4, pp. 309-325.
18. Lilia Maliar and Serguei Maliar, (2007). "Short-Run Patience and Wealth Distribution", *Studies in Nonlinear Dynamics and Econometrics*, Vol.11: No. 1, Article 4.
19. Lilia Maliar and Serguei Maliar, (2006). "The Neoclassical Growth Model with Heterogeneous Quasi-Geometric Consumers", *Journal of Money, Credit, and Banking* 38(3), pp. 635-654.
20. Lilia Maliar and Serguei Maliar, (2006). "Indeterminacy in a Log-Linearized Neoclassical Growth Model with Quasi-Geometric Discounting", *Economics Modelling* 23/3, pp. 492-505.
21. Lilia Maliar and Serguei Maliar, (2005). "Solving the Neoclassical Growth Model with Quasi-Geometric Discounting: A Grid-Based Euler-Equation Method", *Computational Economics* 26, pp. 163-172.
22. Lilia Maliar, Serguei Maliar and Juan Mora, (2005). "Income and Wealth Distributions Along the Business Cycle: Implications from the Neoclassical Growth Model", *BE Journals in Macroeconomics, Topics in Macroeconomics* Vol. 5: No. 1, Article 15.
23. Lilia Maliar and Serguei Maliar, (2005). "Solving Nonlinear Stochastic Growth Models: an Algorithm Computing Value Function by Simulations", *Economics Letters* 87, pp. 135-140.
24. Dmytro Boyarchuk, Lilia Maliar and Serguei Maliar, (2005). "The Consumption and Welfare Implications of Wage Arrears in Transition Economies", *Journal of Comparative Economics* 33(3), pp. 540-567.
25. Lilia Maliar and Serguei Maliar, (2005). "Parameterized Expectations Algorithm: How to Solve for Labor Easily", *Computational Economics* 25, pp. 269-274.
26. Lilia Maliar and Serguei Maliar, (2004). "Endogenous Growth and Endogenous Business Cycles", *Macroeconomic Dynamics* 8/5, pp. 1-23.
27. Lilia Maliar and Serguei Maliar, (2004). "Indivisible Labor, Lotteries and Idiosyncratic Productivity Shocks", *Mathematical Social Sciences* 48, pp. 23-35.
28. Lilia Maliar and Serguei Maliar, (2004). "Preference Shocks from Aggregation: Time Series Data Evidence", *Canadian Journal of Economics* 37/3, pp. 768-781.

29. Lilia Maliar and Serguei Maliar, (2004). "Quasi-Geometric Discounting: a Closed-Form Solution under the Exponential Utility Function", *Bulletin of Economic Research* 56/2, pp. 201-206.
30. Lilia Maliar and Serguei Maliar, (2003). "Quasi-Linear Preferences in the Macroeconomy: Indeterminacy, Heterogeneity and the Representative Consumer", *Spanish Economic Review* 5, pp. 251-267.
31. Lilia Maliar and Serguei Maliar, (2003). "The Representative Consumer in the Neoclassical Growth Model with Idiosyncratic Shocks", *Review of Economic Dynamics* 6, pp. 362-380.
32. Lilia Maliar and Serguei Maliar, (2003). "Parameterized Expectations Algorithm and the Moving Bounds", *Journal of Business and Economic Statistics* 21/1, pp. 88-92.
33. Lilia Maliar and Serguei Maliar, (2001). "Heterogeneity in Capital and Skills in a Neoclassical Stochastic Growth Model", *Journal of Economic Dynamics and Control* 25/9, pp. 1367-1397.
34. Lilia Maliar and Serguei Maliar, (2000). "Differential Responses of Labor Supply Across Productivity Groups", *Journal of Macroeconomics*, 22, pp. 85-108.

Books and Chapters:

1. Lilia Maliar and Serguei Maliar, (2014). "Numerical Methods for Large Scale Dynamic Economic Models", in: Schmedders, K. and K.L. Judd (Eds.), *Handbook of Computational Economics*, Volume 3, Chapter 7, 325-477, Amsterdam: Elsevier Science.

b. Work in Progress:

Working papers:

1. Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener (2015). "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." *NBER* 21155.
2. Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener (2017). "Extended Function Path Method".
3. Chase Coleman, Spencer Lyon, Lilia Maliar and Serguei Maliar, (2017). "Matlab, Python, Julia: What to Choose in Economics? CEPR working paper DP 13210.
4. Vadym Lepetuyk, Lilia Maliar and Serguei Maliar (2017), "Should Central Banks Worry about Nonlinearities of Their Large-Scale Macroeconomic Models?", Bank of Canada staff paper #2017-21.
5. Lilia Maliar, Serguei Maliar and John Taylor (2016). "The Impact of Alternative Transitions to Normalized Monetary Policy". Work in progress.
6. Laurence Kotlikoff, Seung Lee, Lilia Maliar and Serguei Maliar (2017), "Long-Term Implications of Aging Population in the Macroeconomy". Work in progress.
7. Lilia Maliar, Serguei Maliar and Inna Tsener (2017). "Capital-Skill Complementarity: Twenty Years After". Work in progress.

Books and Chapters:

1. Kenneth L. Judd, Lilia Maliar and Serguei Maliar "*Ergodic Set Methods for Solving Dynamic Economic Models*": Aimed to be an up-to-date manuscript on numerical methods for solving dynamic economic models. Under a contract with *MIT Press* with approximate size of 300 pages.
2. Lilia Maliar and Serguei Maliar, "*Dynamic Macroeconomics: A Primer*". Aimed to be an introduction to dynamic macroeconomics at a beginning and intermediate graduate levels. Under a contract with *Cambridge University Press* with approximate size of 400 pages.

c. Presentations and the Like (since Fall 2013).

- Society for Computational Economics, **presenter**, (Vancouver, Canada, 2013); Kenneth L. Judd, Lilia Maliar and Serguei Maliar, "How to Solve Dynamic Stochastic Models Computing Expectations Just Once", forthcoming in *Quantitative Economics*.
- Santa Clara University, **invited speaker**, (Santa Clara, US, 2013); Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.
- American Economic Association, **presenter**, (Philadelphia, US, 2013); Lilia Maliar and Serguei Maliar, "Searching for an optimal Taylor rule", work in progress.
- Boston University, **invited speaker**, (Boston, USA, 2014); Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.
- Society for Computational Economics, **presenter**, (Oslo, Norway, 2014); "Smolyak Method for Solving Dynamic Economic Models: Lagrange Interpolation, Anisotropic Grid and Adaptive Domain", *Journal of Economic Dynamics and Control* 44(C), 92-123.
- Stanford University, **invited speaker**, (Stanford, 2014); Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.
- UC Santa Cruz, (Santa Cruz, US, 2014), **invited speaker**, Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.
- Society for Computational Economics, **presenter**, (Taipei, Taiwan, 2015); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Society for Economic Dynamics, **presenter**, (Warsaw, Poland, 2015); Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.
- Econometric Society World Congress, **presenter**, (Montreal, Canada, 2015); Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.

- Santa Clara University, **invited speaker**, (Santa Clara, US, 2015); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Indiana University, **invited speaker**, (Bloomington, US, 2015); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Consumer Financial Protection Bureau and International Monetary Fund workshop on heterogeneous agent modeling, **presenter**, (Washington, USA, 2015), "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Federal Reserve Bank of Cleveland, **invited speaker**, (Cleveland, USA, 2016); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- 4th International Symposium in Computational Economics and Finance, **presenter**, (Paris, France, 2016), Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "Capital-Skill Complementarity and Inequality: Twenty Years After".
- University of Alicante, **invited speaker**, (Alicante, Spain, 2016); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- University Carlos III, **invited speaker**, (Madrid, Spain, 2016); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Computational Economics Conference, **presenter**, (Federal Reserve Bank of Chicago, Chicago, 2016); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Federal Reserve Bank of Chicago, **invited speaker**, (Chicago, 2016); Cristina Arellano, Lilia Maliar, Serguei Maliar and Viktor Tsyrennikov, "Envelope Condition Method with an Application to Default Risk Models", *Journal of Economic Dynamics and Control* 69, 436-459.
- University of Valencia, **invited speaker**, (Valencia, Spain, 2016); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Society for Computational Economics, **presenter**, (Bordeaux, France, 2016); Lilia Maliar and Serguei Maliar, "Ruling Out Multiplicity of Smooth Equilibria in Dynamic Games: A Hyperbolic Discounting Example", *Dynamic Games and Applications* 6(2), 243-261, in special issue "Dynamic Games in Macroeconomics" edited by Edward C. Prescott and Kevin L. Reffett.
- Society for Economic Dynamics, **presenter**, (Toulouse, France, 2016); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Society for the Advancement of Economic Theory, **presenter**, (Rio de Janeiro, Brasil, 2016), Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.

- Bank of Canada Workshop on Advancements in Economic Modeling, **presenter**, (Ottawa, Canada, 2016), Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- International conference "Sustainable Growth Under Uncertainty: Challenges in Global Recessions", **presenter**, (Kyungpook National University, South Korea, 2016), Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Bank of England, **invited speaker**, (London, UK, 2016), Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- American Economic Association, **presenter**, (Chicago, US, 2017); Lilia Maliar, Serguei Maliar and Inna Tsener, "Capital-Skill Complementarity and Inequality: Twenty Years After", work in progress.
- Society for Computational Economics, **presenter**, (New York US, 2017); Lilia Maliar, Serguei Maliar and Inna Tsener, "Capital-Skill Complementarity and Inequality: Twenty Years After", work in progress.
- Federal Reserve Board, **invited speaker**, (Washington, US, 2017), Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- American Economic Association (special session of Econometric Society), **presenter**, (Chicago, US, 2018); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.
- Society for Computational Economics, **presenter**, (Milan Italy, 2018); Vadym Lepetyuk, Lilia Maliar and Serguei Maliar, "A Perturbation-Based Numerical Method for Analyzing a Class of Nonstationary Markov Models", work in progress.
- Econometric Society Australasian Meeting **presenter**, (Oakland, New Zealand); Lilia Maliar, Serguei Maliar, John Taylor and Inna Tsener, "A Tractable Framework for Analyzing a Class of Nonstationary Markov Models." NBER 21155.

4. Service to the University, the Profession and the Community

a. Service to Santa Clara University

- 2013-present: I organize and coordinate new working paper series of the Economics Department.
- 2017-present: I am coordinating Yellow Pad Seminar.
- 2014-present: I am advising 21 undergraduate students.
- 2015-present: I am developing and coordinating a research institute "Silicon Valley Institute for Quantitative Economics".
- 2014-present: I am coordinating Econ-113 course.
- April 1, 2015: Faculty research presentation for undergraduate students.
- 2016-present: I serve on LSB's committee for developing online MBA program.
- 2016-present: I serve on the Economic Department's Budget Committee.

- 2017: I serve as a member of Leavey Grant Review Committee
- 2017-present: I serve as a mentor for high GPA students
- 2016-present: I serve as a mentor for Women in Economics committee

b. Service to Profession

- Serve as *Associate Editor* to *the Journal of Economic Dynamics & Control*
- Referee for manuscripts from American Economic Review, Berkeley Electronic Journals of Macroeconomics; Computational Economics; Economic Modelling; International Economic Review; Investigaciones Economicas; Journal of Business and Economic Organization; Journal of Economic Dynamics and Control; Journal of Economics; Journal of Economic Theory; Journal of Monetary Economics, Journal of Money, Credit, and Banking, Studies in Nonlinear Dynamics and Econometrics; Structural Change and Economic Dynamics; Spanish Economic Review.
- Member of American Economic Association, Econometric Society, Society for Economic Dynamics, Society of Computational Economics.
- Taught by invitation a one-week intensive graduate mini-course on computational economics at PhD program in Indiana University, September 2015 (jointly with Lilia Maliar).
- Served as a guest lecturer in Econ 288 PhD course (Computational Economics) at Stanford University in the fall of 2013, 2014 and 2015 academic years (by invitation of Lilia Maliar).
- Leader of the group on interpolation methods in economics of the Econ-Ark project lead by Chris Carroll (Sloan foundation).
- Contributed computer codes to Becker Friedman Institute at the University of Chicago, Macro Financial Modeling group.
- Provide publicly software for solving dynamic economic models. Up to date, my software was downloaded 7,937 times only via RePEC page, <http://logec.repec.org/RAS/pma87.htm>.
- Prepared and delivered by invitation a one-day plenary workshop on numerical analysis in economics in the Society for Computational Economics, Oslo, Norway, June 2014 (jointly with Lilia Maliar).
- Prepared and delivered by invitation a one-day plenary workshop on numerical analysis in economics in the Society for Computational Economics, New York, US, June 2017 (jointly with Lilia Maliar).

c. Service to Community

- Registrar of the Stanford Soccer Club team "Blackouts" (girls 2005/2006)
- Parent teacher volunteer, JLS middle school, Palo Alto (driving children, serving events, cleaning, etc.)