

# Kaloyan Ganev

## Curriculum Vitae

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### Education

- 02/2002–01/2007 **PhD in Economics (Statistics and Demography)**, Sofia University “St. Kliment Ohridski”, Sofia, Bulgaria
- 10/1997–01/1999 **MSc in Statistics and Econometrics**, Sofia University “St. Kliment Ohridski”, Sofia, Bulgaria
- 10/1993–09/1997 **BSc in Economics**, Sofia University “St. Kliment Ohridski”, Sofia, Bulgaria
- 09/1988–06/1993 **High school diploma in English**, English-language High School, Lovech, Bulgaria

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### Academic experience

- 11/2015 – present **Associate Professor**, Sofia University “St. Kliment Ohridski”, Faculty of Economics and Business Administration, Department of Statistics and Econometrics
- 10/2007 – 11/2015 **Assistant Professor (Lecturer)**, Sofia University “St. Kliment Ohridski”, Faculty of Economics and Business Administration, Department of Finance and Accounting
- 11/2000 – 11/2004 **Teaching Assistant, Senior Teaching Assistant**, Sofia University “St. Kliment Ohridski”, Faculty of Economics and Business Administration
- 10/1996 – 10/2000 **Part-time Teaching Assistant**, Sofia University “St. Kliment Ohridski”, Faculty of Economics and Business Administration

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### Other professional experience

- 04/2013 – present **Managing Partner**, Sigma Hat Ltd., Sofia, Bulgaria  
Consultancy services in the area of economic analysis, modelling and forecasting
- 08/2010 – 03/2013 **Chief Economist and Head of Economic Analysis and Forecasting Department**, Raiffeisenbank Bulgaria EAD, Sofia, Bulgaria  
Macroeconomic modelling, analysis, and forecasting
- 05/2009 – 07/2010 **Executive Director**, Agency for Economic Analysis and Forecasting, Ministry of Finance, Sofia, Bulgaria  
General management and representation
- 05/2003 – 05/2009 **Head of Department**, Agency for Economic Analysis and Forecasting, Ministry of Finance, Sofia, Bulgaria  
Elaboration and coordination of Pre-Accession and Convergence Programmes of the Bulgarian government; Macroeconomic research, modelling and forecasting
- 06/1998 – 05/2003 **State Expert**, Ministry of Agriculture and Forestry, Sofia, Bulgaria  
EU Common Agricultural Policy analysis, support to EU accession negotiations related to Chapter 7 “Agriculture”.

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### Professional trainings

- 02/2005 **Training in Econometrics (Time Series, Panel Data) and Policy Analysis and Simulation**, EBRD, London School of Economics, University of Oxford, University of Cambridge, London, Cambridge, Oxford, UK
- 05/2004 **Macroeconomic Management and Financial Sector Issues**, Joint Vienna Institute, IMF, Vienna, Austria

- 06/2002 **European Commission High-level Scientific Conferences: Eurolab Courses (Econometric Modeling), PhD Euro Conferences, Euroconference**, *University of Nice Sophia Antipolis*, Nice, France
- 02/2002 **Agricultural Support Schemes in the EU**, *Ministry of Agriculture of Greece*, Athens, Greece
- 04/2001 – 07/2001 **Quantitative Analysis of Trade Liberalization**, *U.S. Department of Commerce, U.S. International Trade Commission*, Sofia, Bulgaria, Washington DC, U.S.A.
- 01/2001 – 02/2001 **EU Common Agricultural Policy**, *Ministry of Agriculture, Agrarmarkt Austria*, Vienna, Austria
- 04/2000 **Payment Schemes and Mechanisms in Agriculture**, *Department for Environment Food & Rural Affairs, and Rural Payments Agency*, London, Cambridge, UK
- 04/1999 **The Common Agricultural Policy for Meat and Cereals**, *Ministry of Agriculture of Andalucia*, Seville, Spain
- 02/1999 **European Accounts for Agriculture**, Píla, Častá, Slovakia

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## Fellowships and awards

- 08/2005 **First prize**, *National Competition of the Ministry of Education and the State Agency for Information and Communication Technologies under the Heading “Development of a Web-based Academic Course” (with Ralitsa Simeonova-Ganeva)*, Sofia, Bulgaria
- 11/2002 – 07/2004 **Teaching Development Fellow**, *Civic Education Project (<http://www.civiceducationproject.org>)*, Sofia, Bulgaria

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## Language skills

Mother tongue Bulgarian

Other languages<sup>1</sup>

	Understanding	Speaking	Writing
English	C2	C2	C1
German	A2	A2	A2
Russian	B2	A2	B1

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## Computer skills

- Operating systems MS Windows, Linux, MacOS, FreeBSD
- Office applications MS Office, LibreOffice, Google Docs, L<sup>A</sup>T<sub>E</sub>X, etc.
- Econometric software R, EViews, Oxmetrics, gretl, Stata, Microfit, SPSS, Minitab, Statistica, etc.
- Math software Matlab, GNU Octave, Maple, Maxima, Scilab, etc.
- Databases MS Access, MySQL/MariaDB, SQLite
- Programming languages VBA, Python, JavaScript, HTML

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## Membership in Professional Organizations

American Economic Association, World Economic Association

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<sup>1</sup>Levels according to the Common European Framework of Reference for Languages.

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## Publications

- Avramov, R., Ganev, K. and Petranov, S. (2022). To Command or to Understand? Planning Concepts and Economic Research in Communist Bulgaria. In Kovács, J. M. (ed.), *Communist Planning versus Rationality: Mathematical Economics and the Central Plan in Eastern Europe and China*. Lexington Books, 19–54.
- Bulgarian Academy of Sciences, Economic Research Institute (2012). *Economic Developments and Policies in Bulgaria: Assessments and Expectations. Special Focus: “Competitiveness of the Bulgarian Economy”*. Gorex Press, 131 pp., in Bulgarian; Co-author.
- Bulgarian Academy of Sciences, Economic Research Institute (2013). *Economic Developments and Policies in Bulgaria: Assessments and Expectations. Special Focus: “Healthcare Policies – Economic Analysis and Assessments”*. Gorex Press, 169 pp., in Bulgarian; Co-author.
- Center for Economic Development (2008). Economic Developments. In Bilek, P. (ed.), *Integration Perspectives and Synergic Effects of European Transformation in the Countries Targeted by EU Enlargement and Neighbourhood Policies*. Centre for EU Enlargement Studies, Central European University, chap. 2, 74–242, co-author.
- Dimitrova, T., Prohaska, M., Ganev, K. and Chinareva, D. (2014). Analysis of the Occupations and Business Activities in Separate Cross Border Areas and Opportunities for Starting New Business, Market Trends. Tech. rep., Ministry of Economy and Energy, Sigma Hat, CED, Estat, TRIGGER B3-3.2-05/04.08.2014 “Performing Three Studies in South Bulgaria” (includes Blagoevgrad, Smolyan, Kardzhali and Haskovo areas).
- Ganev, K. (2004). Statistical Estimates of the Deviations from the Macroeconomic Potential: An Application to the Economy of Bulgaria. Working Paper Series, Agency for Economic Analysis and Forecasting.
- Ganev, K. (2005). Measuring Total Factor Productivity: Growth Accounting for Bulgaria. Discussion Paper Series 48, Bulgarian National Bank, in Bulgarian, available in English from [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2025902](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2025902).
- Ganev, K. (2007). Can Educational Attainment Explain Total Factor Productivity? Growth Accounting Evidence from Seven Transition Countries for the Period 1991-2000. *Journal of World Economic Review* 2: 11–24.
- Ganev, K. (2014). Early Business Cycle Theories and Their Role in the Development of Economic Science. *Economic Thought* 3: 39–56, in Bulgarian.
- Ganev, K. (2015a). A Small Model for Output Gap and Potential Growth Estimation. An Application to Bulgaria. Bulgarian Economic Papers 04-2015, Center for Economic Theories and Policies at Sofia University St. Kliment Ohridski, available from <https://www.uni-sofia.bg/index.php/eng/content/download/138804/1018812/file/BEP-2015-04.pdf>.
- Ganev, K. (2015b). *Business Cycles: Theories and Models*. St. Kliment Ohridski, Faculty of Economics and Business Administration, in Bulgarian.
- Ganev, K. (2020a). Modelling Economic Growth and Business Cycles Under Central Planning in Bulgaria (part two). *Annual of Sofia University “St. Kliment Ohridski”, Faculty of Economics and Business Administration* 19: 5–29, in Bulgarian.
- Ganev, K. (2020b). Modelling Economic Growth and Business Cycles Under Central Planning in Bulgaria (part one). *Annual of Sofia University “St. Kliment Ohridski”, Faculty of Economics and Business Administration* 18: 77–106, in Bulgarian.
- Ganev, K. (2020c). Real-Time vs. Full-Sample Performance of One-Sided and Two-Sided HP Filters. An Application to 27 EU Member States’ GDP Data. *Central European Journal of Economic Modelling and Econometrics* 12: 251–272.
- Ganev, K., Simeonova-Ganeva, R., Vassileva, I. and Vassilev, A. (2015). Methodology for Net Impact Assessment of European Funds on Economic Development (SIBILA 2.0: Methodological Framework and Technical Documentation). Tech. rep., Sigma Hat Ltd., Ecorys South East Europe Ltd.
- Ganev, K., Simeonova-Ganeva, R. and Yordanova, D. (2014). Microcrediting of SMEs in Bulgaria. In *Microfinance for SMEs in the Black Sea Economic Cooperation Region*. Organization of the Black Sea Economic Cooperation and Konrad-Adenauer-Stiftung, 62–73.

- Ganev, K., Vassilev, A. and Simeonova-Ganeva, R. (2019). *Technical Documentation of the Macroeconomic Simulation Model for the Estimation of Effects on Key Macroeconomic and Budget Indicators*. Ministry of Finance, Bulgaria, in Bulgarian, available at [https://www.minfin.bg/upload/46186/doc\\_minfin\\_sim\\_ed.pdf](https://www.minfin.bg/upload/46186/doc_minfin_sim_ed.pdf).
- Ivanov, M., Ganev, K. and Simeonova-Ganeva, R. (2021). Conservative Entrepreneurs: An Attempt to Quantify the 1878–1900 Internal Migration Drivers in Bulgaria. *Proceedings of the Centre for Economic History Research* 6: 104–120, in Bulgarian.
- Nenov, I., Mengov, G., Ganev, K. and Simeonova-Ganeva, R. (2021). Neurocomputational Economic Forecasting with a Handful of Data. *Comptes rendus de l'Academie bulgare des Sciences* 74: 1511–1518.
- Raban, Y., Soffer, T., Mihnev, P. and Ganev, K. (2002). ICT Uptake and Usage: A Cross-sectional Analysis. Public e-Living Project Deliverable e-Living D7.1, The e-Living Consortium, e-Living: Life in a Digital Europe, an EU Fifth Framework Project, 26 pp.
- Simeonova-Ganeva, R., Chinareva, D., Prohaska, M. and Ganev, K. (2014). Analysis of the Needs of Small and Medium Enterprises for Specialists and Managers (Quantitative and Qualitative) in the Cross Border Regions. Tech. rep., Ministry of Economy and Energy, Sigma Hat, CED, Estat, TRIGGER B3-3.2-05/04.08.2014 “Performing Three Studies in South Bulgaria” (includes Blagoevgrad, Smolyan, Kardzhali and Haskovo areas).
- Simeonova-Ganeva, R. and Ganev, K. (2002). Optimization in the Context of Input-Output Analysis: A Practical Application to the Economy of Bulgaria in 2000. *Year Book of the Faculty of Economics and Business Administration* 2: 5–30.
- Simeonova-Ganeva, R. and Ganev, K. (2004). Quality of Human Capital Investments and Growth in a Solow-type Model. *Year Book of the Faculty of Economics and Business Administration* 3: 5–25.
- Simeonova-Ganeva, R. and Ganev, K. (2008). Institutionally Induced Human Capital Vintages and Economic Growth in Transition. *Year Book of the Faculty of Economics and Business Administration* 7: 53–68.
- Simeonova-Ganeva, R. and Ganev, K. (2013). Effects from EU-Funds-financed Policies: Impact Assessment of Investments in Education and Science in Bulgaria. In *Post-crisis Economic Development of the EU and Bulgaria*. Gorex Press, 320–327, in Bulgarian.
- Simeonova-Ganeva, R., Ganev, K. and Angelova, R. (2022). Bulgaria: Skill Imbalances and Policy Responses. In Tütlys, V., Markowitsch, J., Winterton, J. and Pavlin, S. (eds), *Skill Formation in Central and Eastern Europe: A Search for Patterns and Directions of Development*. Peter Lang, 291–314.
- Simeonova-Ganeva, R., Ganev, K. and Mihnev, P. (2004). Wave 2 Partners Analysis. Public e-Living Project Deliverable e-Living D11.6, The e-Living Consortium, e-Living: Life in a Digital Europe, an EU Fifth Framework Project.
- Simeonova-Ganeva, R., Panayotova, N. and Ganev, K. (2012a). Modelling Returns to Education and Labour Market Outcomes of Doctoral Degree Holders in Bulgaria. *Statistica* 3-4: 21–44, in Bulgarian.
- Simeonova-Ganeva, R., Vassilev, A., Ganev, K. and Dimitrov, L. (2019a). *Medium-Term and Long-Term Forecasts of Labour Market Developments in Bulgaria: Employment and Labour Market Imbalances, Determinants of Labour Supply (2008–2034)*. Ministry of Labour and Social Policy, Bulgaria.
- Simeonova-Ganeva, R., Vassilev, A., Ganev, K. and Dimitrov, L. (2019b). *Medium-Term and Long-Term Forecasts of Labour Market Developments in Bulgaria: Determinants of Labour Demand, Employment Trends, Regional and Educational Imbalances (2008–2032)*. Ministry of Labour and Social Policy, Bulgaria.
- Simeonova-Ganeva, R., Vassilev, A., Ganev, K., Dimitrov, L. and Vassileva, I. (2015). Ex-post Assessment of the Net Impact of the Active Labour Market Policy on the Dynamics of Selected Indicators of Economic and Social Development in Bulgaria for the Period 2000–2011. Tech. rep., Sigma Hat Ltd., Ecorys South East Europe Ltd., Ministry of Labour and Social Policy.
- Simeonova-Ganeva, R., Vladimirov, Z., Boeva, M., Panayotova, N., Ganev, K. and Peneva, R. (2011). *Analysis of the Situation and Factors for Development of SMEs in Bulgaria: SMEs in the Crisis Context*. Bulgarian Small and

- Medium Enterprises Promotion Agency, Ministry of Economy, Energy and Tourism, Noema, Sofia, available from [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2290717](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2290717).
- Simeonova-Ganeva, R., Vladimirov, Z., Ganev, K., Panayotova, N., Dimitrova, T., Davidkova, T. and Yordanova, D. (2013). *A Study of Entrepreneurship and the Prospects for Innovations Development in SMEs (2012-2013)*. Bulgarian Small and Medium Enterprises Promotion Agency, Ministry of Economy, Energy and Tourism, INSIGHT: Noema & Sigma Hat, Sofia., available from [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2043685](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2043685).
- Simeonova-Ganeva, R., Vladimirov, Z., Ganev, K., Panayotova, N., Dimitrova, T., Yordanova, D., Boeva, M., Kulev, D., Peneva, R. and Todorova, M. (2012b). *Analysis of the Situation and Factors for Development of SMEs in Bulgaria 2011-2012: Economic Recovery and Competitiveness*. Bulgarian Small and Medium Enterprises Promotion Agency, Ministry of Economy, Energy and Tourism, Noema, Sofia., available from [http://www.sme.government.bg/uploads/2011/07/SME\\_Situation-REP\\_noemaENG-0612.pdf](http://www.sme.government.bg/uploads/2011/07/SME_Situation-REP_noemaENG-0612.pdf).
- Simova, A., Vladimirov, Z., Harizanova, O., Popov, R., Ganev, K., Simeonova-Ganeva, R., Pehlivanova, E., Dimitrova, T., Matsanov, A., Ilieva, I. and Petkov, I. (2013). Social and Economic Specifics of Rural Areas in Bulgaria. Tech. rep., DZZD GTF Consult, Sofia, in Bulgarian, DOI: 10.13140/RG.2.1.1536.2082.
- Vasilev, D., Ganev, K., Simeonova-Ganeva, R., Chobanov, P. and Tsvetkov, S. (2011). A Model for Impact Assessment of EU Structural Funds and the Cohesion Fund on the Bulgarian Economy: SIBILA: **S**Imulating **B**ulgaria's **I**nterests in **L**ong-run **A**dvancement. Technical documentation, Council of Ministers Administration, 143 pp., in Bulgarian.
- Vassilev, A., Ganev, K., Dimitrov, L., Simeonova-Ganeva, R., Mihnev, P., Kalibatseva, G. and Uzunova, E. (2014). Medium- and Long-Run Forecasts of Labour Market Developments and Future Skills and Knowledge Needs in Bulgaria: Forecasting Skilled Labour Demand and Supply and Labour Market Mismatches in Bulgaria using the SERDICA Forecasting Model. Final Report under Project BG 051 PO001 – 6.1.09 – 0001 “Development of a System for Forecasting the Needs for Labour Force with Defined Characteristics”, Ministry of Labour and Social Policy, 723 pp., in Bulgarian.
- Vladimirov, Z., Simeonova-Ganeva, R. and Ganev, K. (2012). Interaction of Leading and Supporting Factors for the SME Competitiveness. In *Economic Development and Entrepreneurship in Transition Economies: A Review of Current Policy Approaches*, 597–613, First REDETE Conference, Banja Luka, 2011.
- Vladimirov, Z., Simeonova-Ganeva, R. and Ganev, K. (2013). Significance of Globalization-specific Factors for SME Competitiveness: A Conceptual Model and an Empirical Test. *Business Systems Review* 2: 1–25.