

PERSONAL INFORMATION

Tamás Sebestyén



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Sex Male | Date of birth 28/09/1980 | Nationality Hungarian

WORK EXPERIENCE

- from 2023 **Head of Department**
 University of Pécs, Faculty of Business and Economics

 - Teaching, research, management

[Activity or sector](#) Higher education, scientific research
- from 2022 **University professor**
 University of Pécs, Faculty of Business and Economics

 - Teaching, research

[Activity or sector](#) Higher education, scientific research
- from 2018 **Research director**
 University of Pécs, Faculty of Business and Economics

 - Research, management

[Activity or sector](#) Higher education, scientific research
- 2018-2022 **Associate professor**
 University of Pécs, Faculty of Business and Economics

 - Teaching, research

[Activity or sector](#) Higher education, scientific research
- 2012-2022 **Research fellow**
 MTA-PTE Innovation and Economics Growth Research Group

 - Research

[Activity or sector](#) Scientific research
- 2015-2018 **Research advisor**
 University of Pécs, Faculty of Business and Economics

 - Research, management

[Activity or sector](#) Higher education, scientific research
- 2011-2015 **Operative program leader**
 University of Pécs, Faculty of Business and Economics, Master Program in Economic Analysis

 - Operative management of the program, contact between students and faculty

[Activity or sector](#) Higher education
- 2012-2018 **Assistant professor**
 University of Pécs, Faculty of Business and Economics

 - Teaching, research

[Activity or sector](#) Higher education, scientific research
- 2007-2012 **Lecturer**
 University of Pécs, Faculty of Business and Economics

 - Teaching, research

[Activity or sector](#) Higher education, scientific research

- 2004-2007 **Full time PhD student**
University of Pécs, Faculty of Business and Economics
 - Teaching, research
- 2005-2006 **Analyst**
National Development Office
 - Research and analysis in education and labor market related topics
- 2004 **Credit analyst**
Hungarian Commercial and Credit Bank
 - Analysis of credit applications

Activity or sector Higher education, scientific research

Activity or sector Scientific research

Activity or sector Finance, banking

EDUCATION AND TRAINING

- 2017 **Habilitation**
University of Pécs
- 2011 **PhD degree**
University of Pécs
- 2004-2007 **Doctoral Program in Economics and Business**
University of Pécs, Faculty of Business and Economics
 - analytic skills, methodologies in scientific research
- 2004 **Economist**
University of Pécs, Faculty of Business and Economics
 - Economics, monetary macroeconomics, financial assets and institutions, EU studies

PERSONAL SKILLS

Mother tongue Hungarian

Other Languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	English	C2	C2	C2	
Intermediate level certificate in business English					
Spanish	B2	B2	B1	B1	B1
Intermediate level certificate in business Spanish					
German	A1	A1	A1	A1	A1
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Levels: A1/2: Basic user - B1/2: Independent user - C1/2: Proficient user

- Communication skills**
- Good presentation skills acquired through more than 15 years of lecturing and education
 - Good skills in argumentation and dispute acquired through more than 15 years of scientific research and discussion

- Organisational / managerial skills**
- Leadership skills (managing a master level educational program of 10-15 students and faculty, managing the joint work of 3-4 research assistants and senior researchers under various research and applied projects)
 - Coordination and management (being responsible for research events and research evaluation for 10 years)
 - System building (setting up managerial and information systems in support and monitoring of

- research activities and research evaluation)
- Mentoring (leading the work of more than 10 PhD students from which 5 already obtained their degrees)

Job-related skills

- Efficient task-management and scheduling acquired through the setup and execution of several research projects
- Good analytic skills acquired through research activities over the past 15 years
- Efficient presentation and argumentation skills acquired through educating university students

Digital skills

- Advanced user of Microsoft Office tools – used in daily work
- Using Visual Basic in Excel – used in daily work
- Using Matlab – used in daily work
- Using Dynare – used in several research projects
- Good user skills in AnyLogic – used in several research projects
- Basic knowledge of GAMS – used in some research projects

Driving licence

- Category B, continuous practice since 1997

ADDITIONAL INFORMATION

Projects/Experience

Tamás Sebestyén has 10 years experience in project management and more than 15 years experience relevant to impact assessment and economic analysis. Please find below a selection from the past 5 years.

Proof of Project Management and Proof of Expertise and Experience of Impact assessment and economic analysis:

2021- Developing the monitoring and evaluation system for the Hungarian Smart Specialization Strategy
 Consultancy services to the National Research, Development and Innovation Office (Hungary)
 Principal investigator, managing the work of 3-6 research assistants in the field of policy monitoring and evaluation, impact assessment and model development.

2021- Risk, efficiency and development in global and national production networks
 „OTKA” Thematic research grant funded by the National Research, Development and Innovation Office (K 138401)
 Principal investigator, coordinating the work of 5 researchers in the field of global production network structures, empirical and theoretical analysis.

2020-2021 Building analytical capacity of the national productivity board (Lithuania)
 Sub-consultancy services to BGI Consulting UAB
 Impact assessment of R&D, export and digitalization reforms with the QUESTIII model

2020 S3 prioritization support in Hungarian regions
 Consultancy services provided to the National Research, Development and Innovation Office
 Impact assessment of sector-level capacity-enhancing investments for Hungary, using the GMR-Hungary model.

2017-2021 Sustainable, intelligent and inclusive regional and city models
 EFOP-3.6.2-16-2017-00017, Leader of subproject
 Impact assessment of two innovative investment projects (one in the biotech and one in the vehicle manufacturing sector) in the Pécs region (Hungary), using the GMR-Hungary model. As a subproject leader, my role was to organize the work of 6 researchers from the proposal-writing phase through literature review and data-collection and management until analysis and publication.

2016-2018 Financial and Institutional Reforms to build an Entrepreneurial Society (FIRES) in Europe
 H2020 (No. 649378), project member

Impact assessment of entrepreneurship policies (government support targeting the entrepreneurial ecosystem of regions) on the HUTS2 regional and macroeconomic levels, using the GMR-Europe model.

2019- ongoing The structure of global supply and production networks
Project group leader, National Excellence in Higher Education Program in Hungary [contract number 20765-3/2018/FEKUTSTRAT
Analysis of global supply and production networks with network analytic tools.
Analysis of macroeconomic shock propagation through global supply chains.
Building analytical models of production networks capable of reproducing shock propagation patterns.
As project group leader my role is to organize the work of 5 researchers from proposal-writing through data collection and manipulation until analysis and publication.

2018-2019 Network structure and macroeconomic stability
Project leader, Talent Centre of the University of Pécs
Building analytical and agent-based macroeconomic models with explicit market interaction structures.
Analysis of shock contagion between countries on a longitudinal dataset.
As project group leader my role was to organize the work of 5 researchers from proposal-writing through data collection and manipulation until analysis and publication.

2016-2019 Long run forecasting of spatial economic processes: building a regional model for Hungary
Project member, National Scientific Research Funds (OTKA 120004)
Developing a multi-region, multisector impact assessment model (GMR model) for Hungary for assessing development policies like R&D, human capital, physical capital and infrastructural investment support.

2015-2016 Forecasting the long run social and economic development path for Hungary
Project advisor, EEA-C12-11
Developing a macroeconomic model (DSGE model) for Hungary which is able to accommodate climate-related shocks to the economy.

SELECTED PUBLICATIONS

- Braun, E., Braun, E., Gyimesi, A., Iloskics, Z., Sebestyén, T. (2023): Exposure to trade disruptions in case of the Russia–Ukraine conflict: A product network approach. *WORLD ECONOMY* , 33 p. (online first)
- Komlósi, É., Sebestyén, T., Tóth-Pajor, Á., Bedő, Zs. (2022): Do specific entrepreneurial ecosystems favor high-level networking while others not? Lessons from the Hungarian IT sector. *TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE*, 175, Paper: 121349 , 20 p.
- Varga-Csajkás, A., Sebestyén, T., Varga, A. (2022): Dynamics of collaboration among high-growth firms: results from an agent-based policy simulation. *ANNALS OF REGIONAL SCIENCE*, 70, pp. 353-377.
- Braun, E., Sebestyén, T., Kiss, T. (2021): The strength of domestic production networks: an economic application of the Finn cycling index. *APPLIED NETWORK SCIENCE*, 6 Paper: 69, 26 p.
- Varga, A., Sebestyén, T., Szabó, N., Szerb, L. (2020): Estimating the economic impacts of knowledge network and entrepreneurship development in smart specialisation policy. *REGIONAL STUDIES* 54 : 1 pp. 48-59. , 12 p.
- Sebestyén, T., Iloskics Z. (2020): Do economic shocks spread randomly?: A topological study of the global contagion network. *PLoS ONE*, 15:9 p. e0238626.
- Varga, A., Szabó, N., Sebestyén, T. (2020): Economic impact modelling of smart specialization policy: Which industries should prioritization target? *Papers in Regional Science*, 99:5 pp. 1367-1388.
- Sebestyén, T., Varga, A. (2019): Knowledge networks in regional development: an agent-based model and its application. *Regional Studies*, 53(9), pp. 1333-1343.
- Sebestyén, T., Longauer, D. (2018): Network structure, equilibrium and dynamics in a monopolistically competitive economy. *NETNOMICS: Economic Research and Electronic Networking*, 19(3), pp. 131-157.

Sebestyén, T., Hau-Horváth, O., Varga, A. (2017): How to get from the periphery into the core? The role of geographical location and scientific performance in network position in the field of neuroscience. *Letters in Spatial and Resource Sciences*, 10(3), pp. 297-325.

Sebestyén, T. (2017): Moving beyond the iceberg model: The role of trade relations in endogenizing transportation costs in computable general equilibrium models. *Economic Modelling*, 67, pp. 159-174.

Varga, A., Sebestyén, T. (2017): Does EU Framework Program Participation Affect Regional Innovation? The Differentiating Role of Economic Development. *International Regional Science Review*, 40(4), 405-439.

Lengyel, B., Sebestyén, T., Leydesdorff, L. (2015): Challenges for regional innovation policies in CEE countries: Spatial concentration and foreign control of US patenting. *Science and Public Policy*, 42(1) pp. 1-14.

Sebestyén Tamás, Varga, Attila (2013): Research productivity and the quality of interregional knowledge networks. *Annals of Regional Science*, 51(1) 155-189.

Sebestyén Tamás, Varga Attila (2013): A novel comprehensive index of network position and node characteristics in knowledge networks: Ego Network Quality. In: Schergell, Thomas (ed.): *The geography of networks and R&D collaborations*. Springer, series: *Advances in Spatial Science*, pp. 71-97.

ADDITIONAL INFORMATION

- Research projects
- Awards
- Memberships

Awards

- 2019: Youth Excellence Award of the University of Pécs
- 2019: The Partner Stewardship Award in Research Collaboration – Ohio University, USA
- 2017: "Golden Catedra' award, University of Pécs
- 2008, 2012: Golden rank lecturer, UP, FBE
- 2005: Best paper, National Scientific Association of Students
- 2004: First prize in the scientific competition "Together for the jobs of the future"

Memberships

- from 2017: Secretary of the Regional Scientific Committee of the Hungarian Academy of Sciences
- 2015-2017: Member of the presidency of the Hungarian Economic Association
- from 2012: Member of the Regional Studies Association
- from 2012: Member of public body the Hungarian Academy of Sciences
- from 2012: Secretary of the Regional Innovation Committee of the Hungarian Academy of Sciences
- from 2010: Member of the Hungarian Economic Association
- from 2010: Member of the Hungarian Economic Modelling Association

Signature

