GERGŐ TÓTH

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EDUCATION

University College Dublin, Dublin *2019 - 2023*
PhD, Spatial Dynamics Lab
Topic: Networks and Resilience: Essays on the Economic Structure of European Regions

Central European University, Budapest *2015 - 2017*
MA, Department of Political Science
Topic: The role of social capital and network topology in political decision-making

Corvinus University of Budapest, Budapest *2013 - 2016*
College for Advanced Studies in Social Theory
Advanced Studies in Social and Economic Theory

Eötvös Loránd University, Budapest *2010 - 2014*
BA, Department of Economics

RESEARCH EXPERIENCE

Centre for Economic and Regional Studies, Budapest *2024 -*
Institute of Economics,Agglomeration Networks and Innovation Group (ANETI)
Research Fellow

Umeå University, Umeå *2022 -*
Centre for Regional Science (CERUM)
Postdoctoral Researcher

Centre for Economic and Regional Studies, Budapest *2017 - 2023*
Institute of Economics, Agglomeration and Social Network Research Group
Junior Researcher

Central European University, Budapest *2016 - 2017*
Institute for Advanced Studies
Research Assistant

RESEARCH INTERESTS AND CURRENT RESEARCH TOPICS

ANET Lab Lendület Research Group, Budapest
Applied Network Science and Analyses, Causality in Econometric and Statistical Analyses, Social Inequality

Centre for Regional Science (CERUM), Umeå
Robust Networks and Economic Resilience, Structural Change, Economic Geography

TEACHING EXPERIENCE

Rajk College for Advanced Studies Budapest *2023-*
Lecturer

- Network Science

Széchenyi István College for Advanced Studies Budapest *2021*
Lecturer

- Social Networks in Economics and Geography

Eötvös Loránd University, Department of Economics, Budapest *2020*
Lecturer

- Network and Spatial Analyses

Eötvös Loránd University, Department of Economics, Budapest *2017 - 2018*
Teaching Fellow

- Introduction to Economics for Social Scientists
- Introduction to Economics for Computer Scientists
- Thesis Writing Seminar for Economists

SCHOLARSHIPS AND GRANTS

Excellent Young Regional Scientist Award, ERSA Hungary 2025

Swedish Research Council FORTE Starting Grant 2024

National Research, Development and Innovation Office, STARTING Grant 2024

Barany Robert Prize of the Eötvös Loránd Research Network 2023

Junior Prima Prize in Science Category 2022

Regional Science Publication of the Year, ERSA Hungary 2022

University College Dublin Doctoral Scholarship, Dublin, 2019-2022

Best Paper Award, European Regional Science Association, Slovak Winter Seminar of Regional Sciences, 2018

Teaching Fellow Scholarship Center for Economic Research and Graduate Education Economics Institute, Prague, 2017-2018

Central European University Master's Scholarship, Budapest, 2015-2017

REVIEWER SERVICE

Nature Human Behaviour
Nature Communications
Spatial Economic Analysis
Journal of Business Research
Industry and Innovation
Journal of Technology Transfer
Regional Studies
Political Science Research and Methods
Geografiska Annaler: Series B, Human Geography
EPJ data science

RECENT PAPERS

Lengyel, B., **Tóth, G.**, Christakis, N. ,Bíró, A. (2024). Antidepressant use in spatial social networks. Science advances, 10(49), eadr0302. https://www.science.org/doi/full/10.1126/sciadv.adr0302

Elekes, Z., **Tóth, G.**, Eriksson, R., (2024). Regional resilience and the network structure of inter-industry labour flows. Regional Studies, 1-15. https://www.tandfonline.com/doi/pdf/10.1080/00343404.2024.2355993

Tóth, G., Elekes, Z., Whittle, A., Lee, C., Kogler, D. F. (2022). Technology network structure conditions the economic resilience of regions. Economic Geography, 1-24. https://www.tandfonline.com/doi/pdf/10.1080/00130095.2022.2035715

Czaller, L., **Tóth, G.**, Lengyel, B. (2022). Allocating vaccines to remote and on-site workers in the tradable sector. Scientific Reports, 12(1), 1-9 https://www.nature.com/articles/s41598-022-08043-0

Tóth, G., Wachs, J., Jakobi, Á., di Clemente, R., Ságvári, B., Kertész, J., Lengyel B. (2021). Inequality is rising where social network segregation interacts with urban topology. Nature communications, 12(1), 1-9. https://www.nature.com/articles/s41467-021-21465-0

Gessler, T., **Tóth, G.**, Wachs, J. (2021). No country for asylum seekers? How short-term exposure to refugees influences attitudes and voting behavior in Hungary. Political Behavior, 1-29. https://link.springer.com/article/10.1007/s11109-021-09682-1

Tóth, G., Lengyel B. (2021): Inter-firm inventor mobility and the role of co-inventor networks in producing high-impact innovation. The Journal of Technology Transfer, 1-21. https://link.springer.com/article/10.1007/s10961-019-09758-5

Tóth, G., Juhsz, S., Elekes, Z., Lengyel, B. (2021). Repeated collaboration of inventors across European regions. European Planning Studies, 1-21. https://www.tandfonline.com/doi/pdf/10.1080/09654313.2021.1914555

Juhsz, S., **Tóth, G.**, Lengyel, B. (2020). Brokering the core and the periphery: Creative success and collaboration networks in the film industry. PlosOne, 15(2), e0229436 https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0229436