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(A) UNIVERSITY DEGREE

2004: MA in Economics and Business Administration. Faculty of Economics, University of Szeged, Hungary

(B) PhD

2010: PhD in Economics and Organizational Studies on the thesis “Spatial analyses of the Hungarian knowledge-based economy – regional innovation systems and knowledge-base”. Doctoral School of Economics and Management Sciences, Budapest University of Technology and Economics, Hungary. Supervisor: Gábor Papanek.

(C) POST-DOC AND/OR VISITING SCHOLAR

August 2016 – July 2017: 12 months stay as post-doctoral research fellow at Human Mobility and Networks Lab, Massachusetts Institute of Technology, USA

September 2014 - June 2015: 4 months stay as visiting research fellow at the Department of Geography and Economic History, Umeå University, Sweden

September – November 2008: 3 months visiting PhD student at Department of Business Studies, Aalborg University

(D) CURRENT POSITION(S)

2020-: Research Fellow at Laboratory of Networks, Technology and Innovation, Centre for Advanced Studies, Budapest Corvinus University

2017-: Head, Agglomeration and Social Networks Lendület Research Group, Hungarian Academy of Sciences, Budapest

2018-: Senior Research Fellow at the Economics of Networks Research Unit, Centre for Economic and Regional Studies, Hungarian Academy of Sciences, Budapest

2010-: Research fellow at the International Business School Budapest

(E) WORK EXPERIENCE

2020: Lecturer at Széchenyi István Special College.

2014-: External lecturer at the Department of Economics, ELTE University.

2012-: External lecturer at the Faculty of Economics and Business Administration, University of Szeged.

2013-2017: Research fellow at the Economics of Networks Research Unit, Centre for Economic and Regional Studies, Hungarian Academy of Sciences, Budapest

2008-2010: Research associate at the Institute for World Economics, Hungarian Academy of Sciences

2006-2007: Research assistant at the Centre for Regional Studies, Hungarian Academy of Sciences

2004-2005: Strategy assistant at the National Office for Research and Technology, Hungary

(F) Membership

2019-: Hungarian Young Academy, founding member

2017-: Hungarian Regional Science Association, board member

2017-: Committee for Regional Science, Hungarian Academy of Sciences, president of the Regional Innovation Subcommittee

(G) Research funding

- 2018: 20 MHUF, from the National Office for Research and Technological Innovation for the project “Spatial Diffusion of Innovation” (2018-2020)
- 2018: 26.4 MHUF, from Hungarian Scientific Research Fund for the project “Social and Collaboration Networks and Individual and Organizational Performance” (2018-2021)
- 2017: 150 MHUF, MTA Lendület, ”Agglomeration and Social Networks”. (2017-2022)
- 2012: 1.7 MHUF from Hungarian Scientific Research Fund for the project “Regional economic growth in a dual economy: evolutionary and complexity perspectives”. (2012-2014)

Co-applicant

- 2014: 8.9 MHUF from Hungarian Scientific Research Fund for the project “The full life-cycle of an online social network”. 2015-2017 (project leader: Bence Ságvári, Hungarian Academy of Sciences)
- 2014: 9.3 MHUF from Hungarian Scientific Research Fund for the project “The impact of labor mobility networks on Labor Market outcomes and Company Performance”. 2014-2017 (project leader: Károly Miklós Kiss, Hungarian Academy of Sciences)
- 2015: 4.5 MHUF from Hungarian Scientific Research Fund for the project “Career Models and Career Advancement in Research and Development. Different Patterns and Inequalities in Labour Market Opportunities, Personal Network Building and Work-Life Balance”. 2016-2019 (project leader: György Fábri, ELTE University)

(H) Awards and honours

- 2017: Lendület Scholarship of the Hungarian Academy of Sciences
- 2017: Bolyai Scholarship of the Hungarian Academy of Sciences (resigned)
- 2016: Eötvös Scholarship of the Hungarian State
- 2015: Rosztoczy Foundation Award
- 2012: Excellent Young Researcher Award from the Hungarian Regional Science Association
- 2003: Research Award from the City of Szeged
- 2002: Management Education Fund Award, Hungary

(I) PhD-supervision

- Sándor Juhász, University of Szeged (graduated in 2020).
- Zoltán Elekes (assistant supervisor), University of Szeged (graduated in 2018).

(J) Invited Talks

- 2020: Charles University, Prague
- 2020: Joint Research Centre of the European Union, Ispra
- 2020: Bristol University
- 2019: Complexity Science Hub, Vienna
- 2019: Regional Science Committee of the Hungarian Academy of Sciences
- 2019: University of Miskolc
- 2018: Centre for Social Science, Hungarian Academy of Sciences

- 2017: RIERC Seminar, University of Pécs
- 2017: Seminar Series on Data science and Complex Network Analysis, Institute for Informatics, University of Szeged
- 2017: MRTT Conference, Plenary Talk, Mosonmagyaróvár
- 2017: Andrassy University, Budapest
- 2017: Center for Network Science, Central European University, Budapest
- 2017: Network Science Institute, Northeastern University, Boston, MA
- 2017: Collective Learning Group, The Media Lab, MIT, Cambridge MA
- 2017: Scalable Cooperation Group, The Media Lab, MIT, Cambridge MA
- 2016: Harvard Kennedy School, Center for International Development, Cambridge MA
- 2016: MIT Center for Complex Engineering Systems, Cambridge MA
- 2016: MTA KRTK, RKI, Pécs
- 2015: Networkshop, Pécsi Tudományegyetem
- 2015: ICELAB Seminar, Umea University
- 2014: Department of Geography and Economic History, Umea University
- 2013: RECENS Seminar, Hungarian Academy of Sciences, Budapest
- 2013: R&D for Greater Poland Conference, Poznan

(J) Reviewer for journals

Acta Oeconomica; Annals of Regional Science; Applied Spatial Analysis and Policy; Budapest Management Review; Cambridge Journal of Regions, Economy and Society; Economic Geography; Economics of Innovation and New Technology; Economy and Society; Entropy; European Planning Studies; Industrial and Corporate Change, Industry and Innovation; Intersections; Journal of Economic Geography; Journal of the Knowledge Economy; Hungarian Economic Review; Hungarian Geographical Bulletin, Nature Human Behaviour; PLoS ONE; Regional Statistics; Regional Studies; Research Policy; Review of Sociology; Scientific Reports, Scientometrics; Small Business Economics; Space and Society; Technology Analysis and Strategic Management, Tijdschrift voor Economische en Sociale Geografie; Urban Studies.

(K) Selected publications

Elekes, Z., **Lengyel, B.** (2020). Related trade variety, foreign-domestic spillovers and regional employment in Hungary, *Acta Oeconomica*, 70(4), 551-570.

<https://akjournals.com/view/journals/032/70/4/article-p551.xml>

Csomós G, Vida ZV, **Lengyel B** (2020) Exploring the changing geographical pattern of international scientific collaborations through the prism of cities. *PLoS ONE* 15(11): e0242468. <https://doi.org/10.1371/journal.pone.0242468>

Lengyel, B., Bokányi, E., Di Clemente, R. Kertész, J., González, M. (2020) The role of geography in the complex diffusion of innovations. *Scientific Reports* 10, 15065. <https://doi.org/10.1038/s41598-020-72137-w>

Csomós, Gy., Vida, Zs., **Lengyel, B.** (2020) Science cities seek new connections. *Nature*, 585, 7826, S58-S59.

Lőrincz, L., Chihaya, G.K., Hannák, A., Takács, D. **Lengyel, B.**, Eriksson, R. (2020) Global connections and the structure of skills in local co-worker networks. *Applied Network Science*. 5, 78. <https://doi.org/10.1007/s41109-020-00325-8>

Juhász, S., Tóth, G., **Lengyel, B.** (2020) Brokering the core and the periphery: creative success and collaboration networks in the film industry. *PLoS ONE* 15(2): e0229436. DOI:10.1371/journal.pone.0229436

- Csáfordi, Zs., Lőrincz, L., **Lengyel, B.** & Kiss, K.M. (2020) Productivity spillovers through labor flows: productivity gap, multinational experience and industry relatedness. *The Journal of Technology Transfer*. 45, 1, 86-121. DOI: 10.1007/s10961-018-9670-88
- Tóth, G., **Lengyel, B.** (2019) Inter-firm inventor mobility and the role of co-inventor networks in producing high-impact innovation. *Journal of Technology Transfer*. DOI: 10.1007/s10961-019-09758-5
- Elekes, Z., Boschma, R. & **Lengyel, B.** (2019) Foreign-owned firms as agents of structural change. *Regional Studies* 53 (11), 1603-1613. DOI: 10.1080/00343404.2019.1596254
- Szakálné Kanó, I., **Lengyel, B.**, Elekes, Z. & Lengyel, I (2019) Agglomeration, foreign firms and firm exit in regions under transition: the increasing importance of related variety in Hungary. *European Planning Studies*. 27, 11, 2099-2122. DOI: 10.1080/09654313.2019.1606897
- Wachs, J., Yasseri, T., **Lengyel, B.** & Kertész, J. (2019) Social capital predicts corruption risk in towns. *Journal of the Royal Society Open Science*. DOI: 10.1098/rsos.182103
- Csomós, Gy. & **Lengyel, B.** (2019) Mapping the efficiency of international scientific collaboration between cities worldwide. *Journal of Information Science*. DOI: 10.1177/0165551519842128
- Eriksson, R. & **Lengyel, B.** (2019) Co-worker networks and agglomeration externalities. *Economic Geography*. 95, 1, 65-89. DOI: 10.1080/00130095.2018.1498741
- Juhász, S. & **Lengyel, B.** (2018) Creation and persistence of ties in cluster knowledge networks. *Journal of Economic Geography*. 18, 6, 1203-1226. DOI: 10.1093/jeg/lbx039
- Lengyel, B.** & Eriksson R. (2017) Co-worker networks, labour mobility and productivity growth in regions. *Journal of Economic Geography*, 17, 3, 635-660. DOI:10.1093/jeg/lbw027
- Lengyel, I., Vas, Zs., Szakálné Kanó, I. & **Lengyel, B.** (2017) Spatial differences of reindustrialization in a post-socialist economy: manufacturing in the Hungarian counties. *European Planning Studies*, 25, 8, 1416-1434. DOI: 10.1080/09654313.2017.1319467
- Lengyel, B.** & Leskó, M. (2016) International collaboration and spatial dynamics of US patenting in Central and Eastern Europe 1981-2010. *PLoS ONE* 11,11, e0166034. doi:10.1371/journal.pone.0166034
- Lengyel, B.** & Jakobi, Á. (2016) Online social networks and location: the dual effect of distance from the centre. *Tijdschrift voor Economische en Sociale Geografie* 107, 3, 298-315. DOI: 10.1111/tesg.12150
- Lengyel, B.**, Varga, A., Ságvári, B., Jakobi, Á. & Kertész, J. (2015) Geographies of an online social network. *PLoS ONE* 10, 9, e0137248. doi:10.1371/journal.pone.0137248
- Lengyel, B.** & Leydesdorff, L. (2015) Diverse effects of FDI in regional innovation systems: synergy measurement based on complexity theory, and entropy statistics. *Regional Statistics* 5, 1, pp. 3-24.
- Lengyel, B.**, Sebestyén, T. & Leydesdorff, L. (2015) Challenges for regional innovation policies in CEE: Spatial concentration and foreign control of US patenting. *Science and Public Policy* 42, 1, pp. 1-14.
- Lengyel, B.** & Szakálné Kanó, I. (2014) Regional economic growth in Hungary 1998-2005: what does really matter in clusters? *Acta Oeconomica* 64, 3. pp. 257-285.
- Leydesdorff, L., Park, H.W. & **Lengyel, B.** (2014) A Routine for Measuring Synergy in University-Industry-Government Relations: Mutual Information as a Triple-Helix and Quadruple-Helix Indicator. *Scientometrics* 99, 1, pp. 27-35.
- Lengyel, B.** & Szakálné Kanó, I. (2013) Related variety and regional growth in Hungary: towards a transition economy approach. *Regional Statistics* 3, 6, pp. 98-116.

- Lengyel, B. & Leydesdorff, L.** (2011) Regional Innovation Systems in Hungary: the failing synergy at the national level. *Regional Studies* 45, 5, pp. 677-693.
- Lengyel, B. & Ságvári, B.** (2011) Creative occupations and regional development in Hungary: mobility of talent in a one-centred transition economy. *European Planning Studies* 19, 12, pp. 2073-2093.
- Lengyel, B., Iwasaki, I. & Szanyi, M.** (2010) Industrial clusters and regional economic growth: evidence from Hungary. *Hitotsubashi Journal of Economics* 51, 2, pp.149-167.
- Lengyel, B. & Cadil, V.** (2009) Innovation policy challenges in transition countries: foreign business R&D in the Czech Republic and Hungary. *Transition Studies Review* 16, pp. 174-188.