**Balazs Vedres**

**Curriculum Vitae**

**December 10, 2021.**

EDUCATION

Ph. D., 2004 May 19, Columbia University, Department of Sociology, New York.

M. Sc. in Economics and Sociology, Budapest University of Economic Sciences and Public Administration (Corvinus University)

B. A. in Economics and Sociology, Budapest University of Economic Sciences and Public Administration (Corvinus University)

DOCTORAL DISSERTATION TITLE

“Network Sequences of Social Change: The Transformation of Ownership and Economic Policy Discourse in Hungary, 1987-2001.” General field: economic sociology.

EMPLOYMENT

Associate Professor, Central European University PU Austria, 2020-

Associate Professor and Senior Research Fellow, Director of the Social Data Science DPhil Program; Oxford Internet Institute, University of Oxford. 2019 - 2021

Associate Professor and Director, Center for Network Science (Department of Network and Data Science from 2018 September 1), Central European University Budapest. 2008-2020

Associate Professor, Department of Sociology and Social Anthropology, Central European University. 2008-2020

Assistant Professor, Department of Sociology and Social Anthropology, Central European University. 2004-2008

Research Fellow, Institute of Sociology, Hungarian Academy of Sciences. 2000-2003

PUBLICATIONS (since 2008; \*: key publications; †: primary author)

*Books*

Stark, David, and Balazs Vedres. 2022 (planned publication date). *Tension and Invention in Social Networks.* Columbia University Press. (under contract)

Nordlund, Carl, and Balazs Vedres. 2022 (planned publication date). *The Network Science of Economic Globalization.* Cambridge University Press. (under contract)

\*†Vedres, Balázs, and Marco Scotti (editors). 2012. *Networks in Social Policy Problems*. Cambridge University Press, Cambridge, UK. DOI: https://doi.org/10.1017/CBO9780511842481 [co-editor and co-author of three chapters]

*Peer Reviewed Journal Articles and Conference Proceedings*

\*†Vedres, Balazs. 2021. Multivocality and robust action dynamics in political discourse. *Poetics* (in press). DOI: https://doi.org/10.1016/j.poetic.2021.101576 [5-year Impact Factor: 1.3.]

Wachs, Johannes, and Balazs Vedres. 2021. Does crowdfunding really foster innovation? Evidence from the board game industry. *Technological Forecasting and Social Change* 7(1):1-11. DOI: https://doi.org/10.1016/j.techfore.2021.120747 [5-year Impact Factor: 5.8.]

†Vedres, Balazs, and Tunde Cserpes. 2020. “Open Ties and Deep Success.” *Academy of Management Annual Meeting Proceedings* 2020(1). DOI: https://doi.org/10.5465/AMBPP.2020.183 [Selected to be among the “Best Papers” section, the top 10% of all papers accepted.]

†Vedres, Balazs, and Orsolya Vasarhelyi. 2019. “Gendered Behavior as a Disadvantage in Open Source Software Development.” *EPJ Data Science* 8(1):25. DOI: https://doi.org/10.1140/epjds/s13688-019-0202-z [Was frontpage featured article; 5-year Impact Factor: 3.8.]

†Vedres, B., and C. Nordlund. 2018. “Disembedded Openness: Inequalities in European Economic Integration at the Sectoral Level.” *Studies in Comparative International Development* 53(2):169-195. DOI: https://doi.org/10.1007/s12116-018-9263-4 [5-year Impact Factor: 0.8.]

\*†Vedres, Balazs. 2017. “Forbidden Triads and Creative Success in Jazz: The Miles Davis Factor.” *Applied Network Science* 2(1):31. DOI: https://doi.org/10.1007/s41109-017-0051-2 [26k reads, Altmetric score : 75 (top 4%); journal impact factor not available, as journal started in 2016.]

\*De Vaan, Mathijs, David Stark, and Balazs Vedres. 2015. “Game Changer: The Topology of Creativity.” *American Journal of Sociology* 120(4):1–51. DOI: https://doi.org/10.1086/681213 [232 citations; discipline flagship journal; 5-year Impact Factor: 4.5.]

Bruszt, László, and Balázs Vedres. 2013. “Associating, Mobilizing, Politicizing: Local Developmental Agency from Without.” *Theory and Society* 42(1):1–23. DOI: https://doi.org/10.1007/s11186-012-9183-7 [5-year Impact Factor: 2.2.]

\*Stark, David, and Balazs Vedres. 2012. “Political Holes in the Economy: The Business Network of Partisan Firms in Hungary.” *American Sociological Review* 77(5):700–722. DOI: https://doi.org/10.1177/0003122412453921 [120 citations; discipline flagship journal; 5-year Impact Factor: 5.1.]

\*†Vedres, Balázs, and David Stark. 2010. “Structural Folds: Generative Disruption in Overlapping Groups.” *American Journal of Sociology* 115(4):1150–90. DOI: https://doi.org/10.1086/649497 [388 citations; discipline flagship journal; 5-year Impact Factor: 4.5.]

Bruszt, Laszlo, and Balazs Vedres. 2008. “The Politics of Civic Combinations.” *Voluntas* 19(2):140–160. DOI: https://doi.org/10.1007/s11266-008-9060-1 [5-year Impact Factor: 0.6.]

*Invited Journal Articles, Conference Proceedings and Book Chapters*

†Vedres, Balazs. 2021. “Network mechanisms in innovation: Borrowing and sparking ideas around structural holes.” *Handbook of Sociological Science*. Ed.: Raub Werner and Klarita Gerxhani. Edward Elgar Publishing (forthcoming).

Kertesz, Janos, Roberta Sinatra, and Balazs Vedres. 2018. A társadalom hálózati jelenségeinek adatvezérelt vizsgálata. (Data-driven research on social networks.) *Magyar Tudomany* (Hungarian Science) 2018(7). DOI: https://doi.org/10.1556/2065.179.2018.7.6

Kertesz, Janos, and Balazs Vedres. 2017. Europe’s first PhD Program in Network Science, in: *Network Science in Education*, Ed.: C. Cramer et al. (Springer): 87-97. DOI: https://doi.org/10.1007/978-3-319-77237-0

David Stark and Balazs Vedres. 2015. “Economic Partisanship and Brokerage in Hungary.” *The Journal of Comparative Economic Studies* 10:11-44.

†Vedres Balazs. 2012. "Strukturális gyűrődések: a hálózatok innovatív feszültségei." in: Kmetty Zoltán and Koltai Júlia (editors): *Változó képletek, változatos perspektívák.* Háttér Kiadó, Budapest. ISBN: 9786155124051

David Stark, and Balazs Vedres. 2012. “Social Sequence Analysis: Ownership Networks, Political Ties, and Foreign Investment in Hungary” in: John Padgett, and Walter W. Powell (editors): The Emergence of Organizations and Markets. Princeton University Press, Princeton, NJ. ISBN: 9780691148878

†Vedres, Balazs and David Stark. 2010. “Dobras Estruturais: Ruptura Generativa em Grupos Sobrepostos.” *RAE - Revista de Administração de Empresas*, 50(2):215-240. DOI: https://doi.org/10.1590/S0034-75902010000200007

†Vedres, Balazs and David Stark. 2010. “Структурные складки: продуктивный разрыв в пересекающихся группах. ” *Экономическая социология* 11(4):69-104. https://ecsoc.hse.ru/2010-11-4/26593499.html

†Vedres, Balazs and Laszlo Bruszt. 2010. "La promozione dello sviluppo dall'esterno. Le agenzie per lo sviluppo locale nell'Europa centrale e orientale." *Stato e Mercato* 80(2):189-219. https://www.jstor.org/stable/24651016

David Stark and Balazs Vedres. 2009. “A tulajdonosi hálózatok evolúciója és külföldi tulajdon Magyarországon” *Szociológiai Szemle* 19(2):3-41. http://szociologia.hu/dynamic/SzocSzemle\_2009\_2\_3\_41\_StarkD\_VedresB.pdf

Laszlo Bruszt and Balazs Vedres. 2009. “The Politics of Civic Combinations.” in: Victor Perez-Diaz (editor): *Markets and Civil Society*. Berghahn Books, New York, NY. ISBN 978-1-84545-607-8; https://www.berghahnbooks.com/title/Perez-DiazMarkets

*Other Publications*

Vedres, Balazs. 2010. Review of “Crisis and the Everyday in Postsocialist Moscow.” By Olga Shevchenko. *American Journal of Sociology* 115(5).

*Public Writing*

Vedres, Balazs. 2018. “Orban’s Government vs. The Social Sciences: Censoring scientific lectures in Hungary.” *Public Seminar*, November 5, 2018. https://publicseminar.org/2018/11/orbans-government-vs-the-social-sciences/

Vedres, Balazs. 2017. “Orbán, a genderharcos.” HVG, June 24, 2017. https://hvg.hu/itthon/20170624\_Orban\_a\_genderharcos

Vedres, Balazs. 2017. “A CEU és a lineáris Orbán.” HVG, April 27, 2017. https://hvg.hu/360/hetilap360/2017/17/20171719velemeny2

*Manuscripts in Development*

†Vedres, Balazs, and Tunde Cserpes. “Network Tension and Deep Success in Jazz.” Manuscript submitted to *American Journal of Sociology*.

†Vedres, Balazs, and Orsolya Vasarhelyi. “Gender, cohesion, and success in video games development.” Manuscript developed for *American Sociological Review*.

Vasarhelyi, Orsolya , and Balazs Vedres. “Gendered behaviour predicts disadvantage in creative fields.” Manuscript developed for *Nature Human Behavior.*

Julia Perczel, and Balazs Vedres. “Network Structure of the Global Art Field.” Manuscript developed for to *American Sociological Review*.

RESEARCH GRANTS, PHILANTRHOPIC AWARDS, AND RESEARCH CONTRACTS (since 2008)

Vedres, Balazs (PI) 2020-23. “Gendered Dynamics and Discrimination in STEM fields” Willowgrove/Calligo. 110k GBP.

Vedres, Balazs (PI). 2016-18. “Gendered Creative Teams.” CEU ITI framework research grant. 87k GBP.

Vedres, Balazs (Co-PI). 2011-16. “How Network Structures Explain Creativity.” National Science Foundation SES 1123807. 139k GBP.

TEACHING AND SUPERVISING (since 2008)

*CEU Austria:*

Introduction to Quantitative Social Sciences (BA)

Social Networks 1 and 2

Economic Transformations

Advanced Methods

*University of Oxford:*

Digital Social Research: Methods Core

DPhil Methods Seminar

DPhil Seminar

10 MSc supervisees, 6 DPhil supervisees

*CEU Budapest:*

Social Networks

Economic Transformations

Logic of Social Inquiry

Social Movements and Activism

Sociological Research Methods

Advanced Methods

PhD Seminar

6 PhD supervisees

UNIVERSITY COMMITTEES AND OTHER DUTIES (since 2008)

*CEU Austria:*

Committee on Academic Integrity

Departmental Doctoral Committee

Director, Network Science PhD Certificate Program

*University of Oxford:*

Director; Social Data Science DPhil Program.

OII Board of Examiners.

OII Committee on Equality, Diversity, and Inclusion

*CEU Budapest:*

Director, Center for Network Science

Director, PhD in Network Sciecne

Director, PhD in Sociology

Committee on Academic Travel

Committee on the Curriculum of Quantitative Methods

IT Committee

PROFESSIONAL OFFICES, COMMITTEES AND AWARDS (since 2008)

*Awards*

Elected to be Associate Member of Nuffield College, University of Oxford. 2020.

Elected to be member of the European Academy of Sociology. 2018.

Fulbright Senior Fellowship. Northwestern University. 2015.

Fernand Braudel Senior Fellowship. European University Institute. 2012.

Prize for Best Article, European Academy of Sociology. 2011.

Roger V. Gould Prize. Editorial Board, American Journal of Sociology. 2011.

Viviana Zelizer Award’ for Best Article. Economic Sociology Section of the American Sociological Association. 2011.

Karl Polanyi Prize for Best Article. Hungarian Sociological Association. 2011.

W. Richard Scott Award for Distinguished Scholarship. Organizations, Occupations, and Work Section of the American Sociological Association. 2009.

Bezerédj Prize, for outstanding young social scientists. 2008.

*Journal editor*

Hungarian Review of Sociology. 2008 to 2011.

*Editorial board memberships*

Social Mechanisms Series at Oxford University Press. 2021 to present.

Journal of Complex Networks. 2012 to present.

American Journal of Sociology. 2015 to 2017.

*Reviewing for journals*

American Journal of Sociology, American Sociological Review, Poetics, EPJ Data Science, PLOS ONE, Science, Social Forces, Theory and Society, Journal of Complex Networks, Network Science, Applied Network Science.

*Reviewing for grant agencies*

European Commission, various grant instruments (to be kept confidential).

US National Science Foundation.

Hungarian National Science Foundation.

Served as Jury Member for the Sociology and Demography Section of the Hungarian National Science Foundation, 2007-09.

*Conference organizer*

International School and Conference on Network Science. 2011.

Society for the Advancement of Socio-Economics, Annual Meeting. 2005.

*Conference program committee memberships*

Complex Networks. 2016, 2017, 2018, 2019, 2020.

International Conference on Computational Social Science. 2017.

Advances in Social Network Analysis and Mining. 2018, 2019.

International School and Conference on Network Science. 2019.

International Network for Social Network Analysis. 2020.

TALKS, PAPERS AND PRESENTATIONS (since 2008; selection)

Fold Networks and Success with Innovation. Invited talk, 2nd Annual International Conference on Computational Social Science, 24 – 26 June 2016, Evanston, IL.

Networks as engines of generative tension. Invited talk, International Workshop in Complex Networks,23 March 2016, Dijon, France.

Fold networks as engines of generative tension. Invited talk, NetSciX International School and Conference on Network Science, January 11-13, 2016, Wroclaw, Poland.

Creative Tensions and Success in the Network of Video Game Developers. Computational Social Science Summit, 15-17 May, 2015, Northwestern University.

Network science as a digital product: tools for network mapping and intervention. SciencesPo, Medialab, 15 November, 2014.

The Network of Innovative Teams: Structural Folds with Cognitive Distance. Invited talk at the 5th International Workshop on Network Theory: Network Science Meets the Science of Teams. Northwestern University, October 3-5, 2013

Structural Folds: Network Foundations of Creativity in Jazz, Video Games, and Business Groups. Invited speaker, Séminaire Réseaux et régulation 2010-2011 CMH IRISSO, Université Paris – Dauphine, Paris, June 17, 2011.

Structural Folds: Social Structures of Innovation. Invited speaker, NetSci 2010 International School and Conference on Network Science, MIT and Northeastern University, Boston, May 10-14, 2010.

OTHER QUALIFCIATIONS AND ACTIVITIES

*Co-founder of business*

Cx-Ray. 2013. https://www.cx-ray.com/

Gravitalent. 2014. https://www.benchmark.games/

Bondweaver. 2015. https://bondweaver.com/

FUTURE PLANS FOR RESEARCH

From Tools to Peers: The Future of Human Social Networks with the Inclusion of Artificial Agents.

Waiting to Re-connect: The remote work natural experiment of the Covid-19 pandemic. (Book proposal for Edgar Elgar).