



Balázs Vedres - CV

Associate Professor

Center for Network Science;
Department of Sociology and Social Anthropology

Director and founder

Center for Network Science (Department of Network and Data Science from 2018
September 1)

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Education

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| 2000-2004 | Ph. D., 2004 May 19,
Columbia University, Department of Sociology, New York |
| 1997-2000 | Ph. D. studies,
Budapest University of Economic Sciences and Public Administration
(Corvinus University) |
| 1995-1997 | M. Sc. in Economics and Sociology,
Budapest University of Economic Sciences and Public Administration
(Corvinus University) |
| 1992-1995 | B. A. in Economics and Sociology,
Budapest University of Economic Sciences and Public Administration
(Corvinus University) |
| 1988-1992 | Budapesti Piarista Gimnázium |

Professional experience

- 2008- Director, Center for Network Science (Department of Network and Data Science from 2018 September 1), Central European University
- 2008- Associate Professor, Center for Network Science and Department of Sociology and Social Anthropology, Central European University
- 2004-2008 Assistant Professor, Department of Sociology and Social Anthropology, Central European University
- 2000-2003 Research Fellow, Institute of Sociology, Hungarian Academy of Sciences.

Dissertation

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

Committee: David Stark, Peter Bearman, Harrison White, Laszlo Bruszt, Walter Powell

Teaching experience

- 2004- Logic of social inquiry, research methods, advanced research methodology, social network analysis, civic activism, economic transformations, and economic sociology (CEU)
- 2003- Social network analysis. Columbia University, Institute for Social and Economic Research and Policy, methodological short course series (lecturer)
- 1999-2000 Business organizations and networks. Corvinus University (instructor).
- 1998 Social Network Analysis. Corvinus University, István Széchenyi Collegium (instructor)
- 1997 Statistical methods for sociologists. Corvinus University, István Széchenyi Collegium (instructor)

Awards and honors

- 2017 Elected to be member of the European Academy of Sociology.
- 2011 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.
- 2009 W. Richard Scott Award for Distinguished Scholarship. Organizations, Occupations, and Work Section of the American Sociological Association.
- 2008 Bezerédj Prize, for outstanding young social scientists
- 2005 Ferenc Erdei Prize of the Hungarian Sociological Association for an outstanding young sociologist
- 2003 Alex Inkeles Award for Outstanding Graduate Student, Department of Sociology, Columbia University

- 2002 SSHA-Rockefeller Best Graduate Student Paper Award. Social Science History Association, 2002 Annual Meeting, October 24-27, St. Louis.
- 1999 Pro Scientia Gold Medal. (Given bi-annually to the best young Hungarian scholar in each discipline by the president of the Hungarian Academy of Sciences and the Minister of Education.)
- 1999 First prize in sociology at the Hungarian National Student Conference (Országos Tudományos Diákköri Konferencia)
- 1997 Award for Outstanding Scientific Work, given at graduation at Budapest University of Economic Sciences.
- 1997 Second prize in sociology at the Hungarian National Student Conference (Országos Tudományos Diákköri Konferencia)
- 1997 First prize in sociology at the University Student Conference (Egyetemi Tudományos Diákköri Konferencia)
- 1996 Second prize in sociology at the University Student Conference (Egyetemi Tudományos Diákköri Konferencia)

Grants and fellowships

- 2017 Global production networks, structural inequalities and unequal exchange: exploring a structural theory of value-added distribution using multi-regional Input-Output data. CEU Research Support Scheme (Principal Investigator, with Carl Nordlund as co-PI)
- 2016-2017 Gendered Creative Teams – CEU ITI framework research grant (Principal Investigator; EUR 100k)
- 2015 Fulbright Visiting Scholar grant – Visiting researcher at Northwestern University.
- 2012 Fernand Braudel Senior Fellowship. European University Institute.
- 2011-2013 “How Network Structures Explain Creativity.” National Science Foundation. Co-Principal Investigator (with David Stark as Principal Investigator; USD 250k)
- 2006-2011 “Network Dynamics in an Emerging Democracy.” National Science Foundation SES 0616802. Co-Principal Investigator (with David Stark as Principal Investigator; USD 350k)
- 2007-2008 “Evolving Regional Governance Regimes: Challenges for Institution Building in the CEE Countries.” EU FP6 research project. Researcher (with Laszlo Bruszt as principal investigator; EUR 250k)
- 2007 Associate Research Scholar, Harriman Institute, Columbia University
- 2003-2006 International Fellow, Santa Fe Institute
- 2004-2005 “Technologies of Civil Society in East Central Europe.” National Science Foundation SES-0115378. Co-Principal Investigator (with David Stark as Principal Investigator; USD 200k)
- 2004 Junior Fellow, Collegium Budapest, Institute for Advanced Study
- 2002-2005 “Pathways of Property Transformation: Enterprise Network Careers in Hungary, 1989-2000.” National Science Foundation SES 0136995. Researcher (with David Stark as Principal Investigator; USD 350k)
- 2002-2004 ISERP Fellow (Institute for Social and Economic Research and Policy, Columbia University)
- 2002-2004 Doctoral Fellowship from the National Science Foundation
- 2001-2004 Paul Lazarsfeld Fellowship, Columbia University
- 2000-2001 Fulbright Fellowship, Columbia University

- 1999-2000 "Business groups in transition." Research grant of the Hungarian Prime Minister's Office
- 1999 "Social networks, organizational culture and financial performance." Research grant of the MATAV corporation
- 1997 "Banks and power." Research grant from Ferenc Faludi Academy

Publications

Books

- 2017(2019) Carl Nordlund and Balázs Vedres. *The Network Science of Economic Globalization* (book contract). Cambridge University Press, Cambridge:UK.
- 2012 Balázs Vedres, and Marco Scotti (editors). *Networks in Social Policy Problems*. Cambridge University Press, Cambridge:UK.
- 2002 Balázs Vedres, and Zoltán Szántó (editors). *Networks, organizational culture, and financial performance: Studies of financing Hungarian telecommunications development*. Aula, Budapest.

Journal articles, book chapters

- 2017 Kertesz, Janos, and Balazs Vedres. Europe's first PhD Program in Network Science, in: *Network Science in Education*, Ed.: C. Cramer et al. (Springer, forthcoming)
- 2017 Vedres, Balazs and Carl Nordlund. Dis-embedded Openness: Inequalities in European Economic Integration at the Sectoral Level. *Studies in Comparative International Development (SCID)* (forthcoming)
- 2017 Vedres, Balazs. "Forbidden triads and Creative Success in Jazz: The Miles Davis Factor." *Applied Network Science* (2017) 2:31.
- 2015 DeVaan, Mathijs, Balazs Vedres, and David Stark. "Game Changer: The Topology of Creativity." *American Journal of Sociology* 12(4)1-51.
- 2015 David Stark and Balazs Vedres. "Economic Partisanship and Brokerage in Hungary." *The Journal of Comparative Economic Studies* 10:11-44.
- 2013 Bruszt, Laszlo, and Vedres Balazs. "Associating, mobilizing, politicizing: local developmental agency from without." *Theory and Society*, 42(1): 1-23.
- 2012 David Stark and Balazs Vedres. "Political Holes in the Economy: The Business Network of Partisan Firms in Hungary." *American Sociological Review* 77(5):700-722.
- 2012 Vedres Balazs. "Strukturális gyűrdések: a hálózatok innovatív feszültségei." in: Kmetty Zoltán and Koltai Júlia (editors): *Változó képletek, változatos perspektívák. Tanulmánykötet Tardos Róbert 65. születésnapjára*. Háttér Kiadó, Budapest.
- 2010 Balazs Vedres and David Stark. "Dobras Estruturais: Ruptura Generativa em Grupos Sobrepostos." *RAE - Revista de Administração de Empresas*, 50(2):215-240.
- 2010 Balazs Vedres and David Stark. "Структурные складки: продуктивный разрыв в пересекающихся группах." *Экономическая социология* 11(4):69-104.

- 2010 Balazs Vedres and David Stark. "Structural Folds: Generative Disruption in Overlapping Groups" *American Journal of Sociology* 115(4): 1150-90.
- 2010 Balazs Vedres and Laszlo Bruszt. "La promozione dello sviluppo dall'esterno. Le agenzie per lo sviluppo locale nell'Europa centrale e orientale." *Stato e Mercato* 80(2):189-219.
- 2009 David Stark and Balazs Vedres. "A tulajdonosi hálózatok evolúciója és külföldi tulajdon Magyarországon" *Szociológiai Szemle* 19(2):3-41.
- 2009 Laszlo Bruszt and Balazs Vedres. "The Politics of Civic Combinations." in: Victor Perez-Diaz (editor): *Markets and Civil Society*. Berghahn Books, New York, NY.
- 2008 Laszlo Bruszt and Balazs Vedres. "The Politics of Civic Combinations" *VOLUNTAS: International Journal of Voluntary and Nonprofit Organizations* 19(2):140-160
- 2007 Balazs Vedres. "Pathways from postsocialism: ownership sequence and performance of firms in Hungary, 1991–1999." *European Management Review* 4(2):93-105.
- 2007 David Stark, and Balazs Vedres. "Social Sequence Analysis: Ownership Networks, Political Ties, and Foreign Investment in Hungary" in: John Padgett, and Walter W. Powell (editors): *Economic Transformations and Trajectories: A Dynamic Multiple-Network Approach*. Santa Fe Institute (forthcoming)
- 2006 Balazs Vedres. "Politikusok a magyar nagyvállalatok hálózatában 1987-2001 között." *Magyar Tudomány*, 2006/11:1339-1344.
- 2006 David Stark, Balazs Vedres, and Laszlo Bruszt. "Rooted Transnational Publics: Integrating Foreign Ties and Civic Activism." *Theory and Society*, 35(3):323-349.
- 2006 David Stark, and Balazs Vedres. "Social Times of Network Spaces: Network Sequences and Foreign Investment in Hungary." *American Journal of Sociology*, 111(5) 1367-1411.
- 2005 Balázs Vedres. "The Social Structure of Research Accountability." *Foresight Europe* 2:35-37.
- 2005 David Stark, and Balazs Vedres. "Sequenze di rete e investimento estero in Ungheria" *Stato E Mercato* 75(3):391-422.
- 2005 Zoltán Szántó, and Balázs Vedres. "Interfacing the Market: Network Based Reengineering of Hierarchies". *Journal of Business and Industrial Marketing*, Volume 5.
- 2005 Balázs Vedres, Laszlo Bruszt, and David Stark. "Organizing Technologies: Genre Forms of Online Civic Association in Eastern Europe." *The Annals of the American Academy of Political and Social Science*, 597:171-188.
- 2005 Laszlo Bruszt, Balázs Vedres, and David Stark. "Shaping the Web of Civic Participation: Civil Society Websites in Eastern Europe." *Journal of Public Policy*, 25(1):149-163.
- 2005 Laszlo Bruszt, Balázs Vedres, and David Stark. "A technológiák szervezése és a szervezés technológiái: az online civil szerveződés főbb műfaji formái Kelet-Európában." *Információs Társadalom*, 2005/1.
- 2004 David Stark, and Balazs Vedres. "Социальное время сетевых пространств: анализ последовательности формирования сетей и иностранных инвестиций в Венгрии, 1987–2001." *Экономическая социология* 6(1):14-45.

- 2004 Balázs Vedres. "Testing Narratives of Postsocialism: Transition and Sequence Approaches to the Ownership Histories of the Largest Hungarian Corporations, 1991-1999". *Hungarian Review of Sociology*, special issue
- 2000 Balázs Vedres. "The Constellations of Economic Power." *Connections* (journal of the International Network of Social Network Analysis) 23(1):44-59.
- 2000 Balázs Vedres: "A tulajdonosi hálózatok felbomlása. A rekombináns tulajdonformák szerepe és a haza nagyvállalatok tulajdonszerkezetének jellemzői a kilencvenes évek végén." (The dissolution of ownership networks: The role of recombinant ownership forms and the structure Hungarian large firm ownership at the end of the nineties.) *Közgazdasági Szemle* 47(8):680-699.
- 1999 Balázs Vedres. "The Constellations of Economic Power: the Position of Political Actors, Banks and Large Corporations in the network of Directorate Interlocks in Hungary." *BISS Public, Brandenburg- Berliner Instituts für sozialwissenschaftliche Studien*, 1999/28.
- 1999 Balázs Vedres. "The Constellations of Economic Power: the Position of Political Actors, Banks and Large Corporations in the network of Directorate Interlocks in Hungary." In: Sabine Gensior (editor): *Sprungbrett Region*. Berlin, Edition Sigma, 2001.
- 1998 Balázs Vedres: A piaci átmenet elmélettörténete. (The history of ideas on market transition.) *Szociológiai Szemle*, 1998 December
- 1998 Balázs Vedres: Locked in Centrality. Banks in the Network of Large Corporations in Hungary, 1997. *Szociológiai Szemle* English special issue, 1998 December
- 1998 Balázs Vedres: A gazdasági mező szerkezete Magyarországon. (The structure of the economic field in Hungary.) *Közgazdaságtudományi Egyetem jubileumi kiadvány*, 1998 Augusztus
- 1998 Balázs Vedres: Üzleti csoportok a magyar gazdasági átmenetben. (Business groups in the Hungarian economic transition.) *Cafe Babel* 1998 Nyár
- 1997 Balázs Vedres: Bank és hatalom. Bankok a hazai nagyvállalatok kapcsolathálózában. (Bank and power: banks in the network of large enterprises.) *Szociológiai Szemle* 1997/ 2.
- 1997 Balázs Vedres: Ökonokrata menedzser elit - az átalakulás nyertesei? (Econocratic manager elite – the winners of transformation?) *Szociológiai Szemle* 1997/1.

Selected presentations

- 2016 Fold Networks and Success with Innovation. Invited talk, 2nd Annual International Conference on Computational Social Science, 24 – 26 June 2016, Evanston, IL.
- 2016 Networks as engines of generative tension. Invited talk, International Workshop in Complex Networks, 23 March 2016, Dijon, France.
- 2016 Fold networks as engines of generative tension. Invited talk, NetSciX International School and Conference on Network Science, January 11-13, 2016, Wrocław, Poland.

- 2015 Creative Tensions and Success in the Network of Video Game Developers. Computational Social Science Summit, 15-17 May, 2015, Northwestern University.
- 2014 Network science as a digital product: tools for network mapping and intervention. SciencesPo, Medialab, 15 November, 2014.
- 2013 The Network of Innovative Teams: Structural Folds with Cognitive Distance. 5th International Workshop on Network Theory: Network Science Meets the Science of Teams. Northwestern University, October 3-5, 2013
- 2011 "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.
- 2010 "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.
- 2008 "The Coevolution of the Political Field and Politicized Business Networks in Hungary, 1987-2006." First ISA Forum of Sociology, Barcelona, Spain, September 5-8, 2008.
- 2007 "For the Profit of the Region? Accountability and EU Projects Won by NGOs, Firms, and Municipalities in Hungary and Poland." Accountability of Private Organizations. European University Institute, November 30 – December 1, 2007.
- 2007 "Historical Network Analysis, and the Dynamics of Cohesion." The Age of Networks: Social, Cultural, and Technological Connections. National Center for Supercomputing Applications, Urbana-Champaign, April 26, 2007.
- 2006 "The Life of Triangles: Dynamics of Business Network Cohesion." Santa Fe Institute, Santa Fe NM, September 12, 2006.
- 2004 "Social Times of Network Spaces." 99th Annual Meeting, American Sociological Association, Regular Session, Economic Sociology. San Francisco, August 14-17, 2004.
- 2003 "Lock-ins, Sell-offs, and Takeovers: Analysis of Ownership Sequences in Postsocialism." 98th Annual Meeting, American Sociological Association, Economic Sociology Paper Session. Atlanta, August 16-19, 2003.
- 2002 "Testing Narratives of Postsocialism: Transition and Sequence Approaches to the Ownership Changes of the Largest Hungarian Corporations, 1991-1999." Social Science History Association, 2002 Annual Meeting, October 24-27, St. Louis
- 2002 "The Analysis of Network Event Sequences." Workshop on Network Visualization, Center for the Sociology of Innovation, Ecole des Mines, June 9-10, Paris
- 1999 "Constellations of Economic Power." Institution und Lebenswelt oder ökonomische Rationalität, April 16-17, Berlin Institute of Social Sciences, Berlin, Germany
- 1998 "Interlocking Comrades: Modeling Economic Transformation with Networks" (with Barnabás Gerö) Eleventh International Conference of Europeanists, February 26-28, Baltimore, USA

Additional academic work experience

2015- Consulting Editor, American Journal of Sociology
2012- Editor, Journal of Complex Networks
2008-2011 Editor, Hungarian Review of Sociology
2007-2009 Member of the Sociology and Demography Jury of the Hungarian National Science Foundation
2006-2011 President, Social Networks Section of the Hungarian Sociological Association
2002- Research Associate, Center for Organizational Innovation, Columbia University
1997-1999 Instructor at István Széchenyi Collegium, Corvinus University
1992-1997 Member of István Széchenyi Collegium, Corvinus University

Additional non-academic work experience

2013-2016 Co-founder of Gravitalent, Cx-Ray, BondWeaver
1999- Consulting projects at major Hungarian and global firms, government agencies, international organizations (organizational restructuring by social network analysis)