CURRICULUM VITAE

Attila Varga
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ACADEMIC APPOINTMENTS

2020 – present, Postdoctoral Fellow
        Indiana University
        Center for Complex Networks and Systems Research
        Luddy School of Informatics, Computing, and Engineering

EDUCATION

2020 PhD in Sociology
        University of Arizona, Tucson, AZ
        Thesis: "Temporal Evolution of Scholarly Communication"
        Committee: Ronald Breiger (co-chair), Erin Leahey (co-chair), Yotam Shmargad

2006 MA in Sociology
        University of Szeged, Hungary

2004 BA in Sociology
        University of Szeged, Hungary

RESEARCH AND TEACHING INTERESTS

Complex Systems, Networks, Science of Science, Data Science

PUBLICATIONS

2019. Varga A. "Shorter distances between Papers over Time are Due to More Cross-Field References and Increased Citation Rate to Higher Impact Papers." *Proceedings of the National Academy of Sciences of the United States of America* (116)44: 22094-22099p.

2018. Varga A. "Novelty and Foreseeing Research Trends; The Case of Astrophysics and Astronomy." *The Astrophysical Journal Supplement Series* (236)21: 15p.

2015. Lengyel B, Varga A, Ságvári B, Jakobi Á, Kertész J "Geographies of an Online Social Network." *PLoS ONE* 10(9): e0137248: 13p.

2015. Varga A. "Changes of Personal Network Composition and Inter-Group Ties from 1987 to 2005 in Hungary." *Belvedere* 24(4): 131-134.

2012. Varga A. and Nemeslaki A. "Do organizational network studies constitute a cohesive communicative field? Mapping the citation context of organizational network research." *The Journal of Sociology and Social Anthropology* 15(5): 348-363.

2011. Varga A. "Measuring the Semantic Integrity of Scientific Fields: a Method and a Case Study of Sociology." *Scientometrics* 88(1): 163-177.

CONFERENCE PRESENTATIONS

2018. "Transitivity and Synchronicity in Scientific Discovery: Simultaneous Exploration of Embedded Knowledge." *Mathematical Sociology Regular Session*, *American Sociological Association, 2018 Annual Meeting*, Philadelphia, PA

2013. Varga A, Eliason S. "Changes in the Relationships of Macro-Groups in Multiple Dimensions: an Analysis of the 1985 and 2004 General Social Survey Datasets." *International Network for Social Network Analysis*, *XXXIII Sunbelt*, Hamburg

2012. Varga A."Do organizational network studies constitute a cohesive communicative field? Mapping the citation context of organizational network research." *Networks in the Global World*, St. Petersburg

2011. Varga A. "Uncertainty in Social Networks." *Netsci 2011*. Budapest

2011. Szanyi A, Varga A. "Aesthetic and Social Structure of the Hungarian Contemporary Art Field." Arts, Humanities, and Complex Networks, *NetSci 2011*. Budapest

2010. Varga A. "The Fragmentation of Sociological Discourse." *International Network for Social Network Analysis*, *XIX Sunbelt*, Riva Del Garda

2009. Varga A. "Structural features of fields of sociological discourse in the light of citations networks." *5th UK Social Networks Conference*. London

INVITED TALKS

2020 January 10th, *Long Term Trends of Boundary Spanning Research and the Allocation of Research Attention in the Sciences*, Centre for Economic and Regional Studies, Hungarian Academy of Sciences

2019 June 27th, *Structural Conditions of Novelty Seeking in the Sciences; Knowledge Growth and the Channels of Knowledge Integration*, Kellogg School of Management, Northwestern University

2011 October 13th *Social Media Platforms as Potential Sources for Stratification Research,* Centre for Social Sciences, Hungarian Academy of Sciences

GUEST LECTURES

2019 February 17th ITI 200: Social Informatics, Rutgers University

2018 January 30th ESOC 211: Collaborating in Online Communities, University of Arizona

TEACHING EXPERIENCE

Data Science
2018 Fall (online) University of Arizona, School of Information
2018 Summer (online), University of Arizona, School of Information

Introduction to Statistics
2017 Fall, 2018 Spring, Instructor for lab Sessions, University of Arizona, Social and Behavioral Sciences

Introduction to Sociology
2017 Spring (online), 2016 Spring (in person), University of Arizona, School of Sociology

Social Network Analysis
2019 Spring (online) University of Arizona, School of Sociology
2013 Summer (online) University of Arizona, School of Sociology
2011 Spring, 2011 Fall, 2012 Spring (in person), Corvinus University of Budapest

AWARDS

School of Sociology, University of Arizona, Travel Award 2018
Graduate and Professional Student Council, University of Arizona, Travel Award 2018
School of Sociology, University of Arizona, Travel Award 2013
Graduate and Professional Student Council, University of Arizona, Travel Award 2013
Hungarian State Scholarship 2005-2006

SKILLS

Proficient in data processing and analysis (Python)
Proficient in statistical analysis (R and Stata)
Managing high performance computing jobs (PBS, SLURM)
Languages: Hungarian (native), English (fluent)

SERVICE

Reviewer*: PLOS ONE, PNAS, Intersections, Scientometrics, Szociológiai Szemle*
2016-2018. Recruitment Committee, University of Arizona, School of Sociology
2006-2012: Secretary of Hungarian Network for Social Network Analysis, HUNNET

REFERENCES

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