

Milan Janosov - CV

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EDUCATION

2016 – Present	<u>Network Science PhD</u> ,	Central European University (CEU), <i>Budapest</i> , English-language university accredited in the <i>U.S.</i>
2013 – 2016	<u>Biophysics MSc</u> ,	Honours degree, GPA 4.92/5.0 Eötvös Loránd University, <i>Budapest</i>
2010 – 2013	<u>Physics BSc</u> ,	Honours degree, GPA 4.75/5.0 Eötvös Loránd University, <i>Budapest</i> (ELTE)

WORK EXPERIENCE

03 – 05 2017	<u>External data scientist</u>	– Maven7,	<i>Budapest, HU, Boston, US</i>
	<i>Social networks and media, data mining, key opinion leaders, geospatial data, consulting</i>		
03/2015 – 01/2016	<u>Quantitative developer intern</u>	– Morgan Stanley,	<i>Budapest, HU</i>
	<i>Software development, risk calculation environment, book pricing</i>		

COMPUTER SKILLS

Python, Scala, C, C++, Matlab, R, Linux, Amazon Web Service, Web crawling, APIs, Data visualization

RESEARCH SKILLS

Network analysis, Social networks, Agent-based modeling, Data mining, Machine learning, Social media

RECENT PROJECTS

PhD Thesis Quantifying and Modeling Artistic and Scientific Career Success
Large-scale data collection, statistical analysis, time series analysis, and mechanistic modeling

Who dies next in Game of Thrones? Viral article on a machine learning and network analysis based prediction
Featured in [Times Higher Education](#), [Futurism](#), [The Economic Times](#), [Cnet](#), and more.

MSc Thesis Realistic group chasing strategies: [Bio-inspired model of a complex system with robotic applications](#).

PUBLICATIONS

M Janosov, C Virágh, G Vásárhelyi, T Vicsek, "[Group chasing tactics: how to catch a faster prey](#)", *New Journal of Physics* 19 (5), 053003, 2017, *Impact Factor: 3.8*

E Agocs, P Kozma, J Nador, A Hamori, **M Janosov** ... "Grating coupled optical waveguide interferometry combined with in situ spectroscopic ellipsometry to monitor surface ...", *Applied Surface Science* 421, 289-294, 2017, *Impact Factor: 3.4*

P Kozma, **M Janosov**, P Petrik, "Optical biosensing", *Hungarian Science*, 2015 (10), 1171-1179,

Péter Petrik, T Gumprecht..., P Kozma, **M Janosov**, B Fodor, E Agocs, M Fried, "Comparative measurements on atomic layer deposited Al₂O₃ thin films using ex situ table top ...", *Thin Solid Films* 541, 131-135, 2013 *Impact Factor: 1.9*

STUDY TRIPS AND CONFERENCES

Budapest Business Intelligence Forum	Talk	November, 2017	Budapest
Workshop at the Complexity Science Hub	Talk	October, 2017	Vienna
<i>Eu. Cooperation for Stat. of Network Data Science</i>	Poster	October, 2017	Palma, Spain
<i>School on Methods for Comp. Social Science</i>	Lighting talk	July, 2017	Sardinia, Italy
<i>NetSci2017 Flagship Conference</i>	Lighting talk	June, 2017	Indianapolis, US
<i>Statistical Network Science Workshop</i>	Poster	March, 2017	Eindhoven, NL
<i>International Conference on Complex Systems</i>	Talk	June 2016	Aveiro, Portugal

AWARDS

[Academic Achievement Award for First-Year Doctoral Students](#) at CEU (2018)

[Excellent Student of the Faculty Award](#) at ELTE (2013, '15, '16) – Annually awarded to the top 1%

[Fellowship granted by the Republic](#) (2011, '13, '14) – National scholarship to the top 0.8%

MISCELLANEOUS

Teaching Assistant - [Data Mining and Big Data Analytics 2017/2018 Winter](#)

Reviewing scientific papers for the journals *EPJ Data Science* and *Physica A*

LANGUAGES

Hungarian – native English – fluent German – fluent Serbian – beginner