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List of papers and conference contributions

April 1, 2025

1 Journal issues

- [I1] “Proceedings of the 2nd Polish Symposium on Econo- and Sociophysics”. *Acta Physica Polonica B* **37.11** (2006). Ed. by Z. Burda, J. Hołyst, J. Jurkiewicz, K. Kułakowski, K. Malarz, M. A. Nowak, and K. Życzkowski.
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- [I3] “Special issue: Entropy and social physics”. *Entropy* (2022). Ed. by K. Malarz.
- [I4] “Special issue: Modern trends in sociophysics”. *Entropy* (2023). Ed. by K. Malarz and K. Sznajd-Weron.

2 Articles

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- [A1.1] K. Malarz, K. Kułakowski, M. Antoniuk, M. Grodecki, and D. Stauffer. “Some new facts of Life”. *International Journal of Modern Physics C* **9.3** (1998), 449–458.
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- [B3] K. Malarz, J. Karpińska, A. Kardas, and K. Kułakowski. “Node-node distance distribution for growing networks”. *TASK Quarterly* **8.1** (2004), 115–119.

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3 Conference contributions

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- [C1] A. Z. Maksymowicz, K. Malarz, M. S. Magdoń, J. J. S. Whiting, and S. M. Thompson. “Computer simulation of anisotropic thin film growth”. *Proceedings of the High Performance Computing on Hewlett-Packard Systems Conference*. Ed. by M. Bubak and J. Mościński. Academic Computer Center Cyfronet–Kraków, 1997, 211–218.
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- [C3] K. Malarz and K. Kułakowski. “Cooperation and surviving with limited resources”. *Proceedings of the 2nd European Interdisciplinary School on Nonlinear Dynamics for System and Signal Analysis*. Ed. by W. Klonowski. Pabst Science Publishers, 2001, 192–197.
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- [C1.29] K. Malarz. “Heat-bath for friends and enemies”. *47th Congress of Polish Physicists*. Bydgoszcz (PL), 2021.
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- [C1.31] M. J. Krawczyk, M. Libirt, and K. Malarz. “Ranking sequences of continents and countries in affiliations of scientific papers authors”. *International Conference on Statistical Physics*. Chania (GR), 2023.
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- [C1.33] M. Wołoszyn and K. Malarz. “Structural balance and social noise: From triangular networks to random graphs”. *International Conference on Discrete Models of Complex Systems—Summer Solstice*. Firenze (IT), 2023.
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Poster sessions

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- [C2.2] K. Malarz. “Advantages and disadvantages of layer growth model in which particles maximize number of lateral bonds”. *7th Seminar on Surface and Thin Film Structures*. Kazimierz Dolny (PL), 1999. [B2].
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- [C2.4] K. Malarz, J. Karpińska, A. Kardas, and K. Kułakowski. “Node-node distance distribution for growing networks”. *37th Congress of Polish Physicists*. Gdańsk (PL), 2003. [B3].
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- [C2.11] K. Malarz and K. Kułakowski. “The Ising phase transition without temperature”. *47th Winter Schools of Theoretical Physics*. Łądek Zdrój (PL), 2011.
- [C2.12] K. Malarz, M. J. Krawczyk, J. W. Kantelhardt, and K. Kułakowski. “Critical slowing down in strategy selection in crowd”. *6th Polish Symposium on Econo- and Sociophysics*. Gdańsk (PL), 2012. [A1.44].
- [C2.13] M. J. Krawczyk, K. Malarz, and K. Kułakowski. “Influence of long-range interactions on strategy selection in crowd”. *Summer Solstice Conference on Discrete Models of Complex Systems*. Warszawa (PL), 2013. [B6].
- [C2.14] K. Malarz and K. Kułakowski. “How unexpected events destroy our timetables”. *7th Polish Symposium on Econo- and Sociophysic*. Lublin (PL), 2014.

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- [C2.20] K. Paradowski, A. Kowalska-Styczeń, and K. Malarz. “Influence of a range of interaction among agents on efficiency of knowledge transfer within an organization”. *13th Econophysics Colloquium & 9th Polish Symposium on Physics in Economy and Social Sciences*. Warszawa (PL), 2017. [A1.50].
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- [C2.23] K. Malarz and A. Kowalska-Styczeń. “Modeling knowledge transfer in organizations by means of cellular automata technique”. *Conference on Complex Systems*. Thessaloniki (GR), 2018.
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- [C2.26] M. J. Krawczyk, M. Libirt, and K. Malarz. “Ranking sequences of continents and countries in affiliations of scientific papers authors”. *12th Polish Symposium on Physics in Economy and Social Sciences*. Wrocław (PL), 2023.

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- [E1] K. Malarz and M. Wołoszyn. “**Fine structure of phase diagram for social impact theory**”. arXiv:2503.16721 [physics.soc-ph]. 2025.

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- [U1] M. J. Krawczyk, M. Libirt, and K. Malarz. “Rank-based distributions in scientific papers affiliations: Different forms of Zipf’s law with and without higher order inverse participation ratios”. Submitted. 2024.
- [U2] K. Malarz and M. J. Krawczyk. “Universality of the fractal dimension of incipient percolation cluster”. Submitted. 2025.