Empirical signatures of universality, hierarchy and clustering in culture

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List of publications

[1] *Stability of superconducting strings coupled to cosmic strings*, A. Babeanu and B. Hartmann, *Physical Review D* **85** 2 023518 (2012).

[2] *Observation of the* $\Lambda_b^0 \to J/\psi\ p\ \pi^-$ *decay*, The LHCb collaboration, *Journal of High Energy Physics* **2014** 7 103 (2014).

[3] *Signs of universality in the structure of culture*, A. I. Băbeanu, L. Talman and D. Garlaschelli, *European Physics Journal B* **90** 12 237 (2017).

[4] *Evidence for mixed rationalities in preference formation*, A. I. Băbeanu and D. Garlaschelli, *Complexity* **2018** 3615476 (2018).

[5] *Ultrametricity increases the predictability of cultural dynamics*, A. I. Băbeanu, J. van de Vis and D. Garlaschelli, arXiv:1712.05959 (2017).

[6] *A random matrix perspective of cultural structure*, A. I. Băbeanu, arXiv:1803.04324 (2018).

Curriculum vitæ

I was born in Constanţa, Romania, on the 28th of September 1989. In Constanţa I also completed my pre-university education, upon graduating, in June 2008, from the "Mircea cel Bătrân" National College (high school), with a specialization in computer science and mathematics. I continued my education at Jacobs University Bremen (Germany), where I was awarded a Bachelor's of Science in physics, in June 2011. I moved to the Netherlands in September 2011, after being awarded a Huygens scholarship, which fully covered the tuition and living expenses for my Master's education in particle physics at Utrecht University. In September 2013 I started my Ph.D. education at Leiden University, funded by a Leiden/Huygens fellowship in physics, in the group of Dr. Diego Garlaschelli. The research conducted there is described in this thesis. Parts of this research have been presented at several scientific conferences and workshops, in Finland, Italy, Germany and The Netherlands. In parallel with my research, I attended several specialized schools in The Netherlands and France, while also serving as a teaching assistant for the "Molecular Physics for Life Science and Technology" course and as an organizer of the "Leiden Complex Networks Network" (LCN2) initiative. Starting with September 2018, I am working as a software/web developer at DongIT in Leiden.

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