

Balázs R. Sziklai - Curriculum Vitae

Personal data

Name: [Sziklai, Balázs Róbert](#)
Birth: Budapest, 1981
Nationality: Hungarian
Marital status: married
E-mail: sziklai.balazs@krtk.mta.hu
Homepages: econ.core.hu/english/inst/sziklai.html
web.uni-corvinus.hu/~bszikla/



Current employments: - Research fellow at the Centre for Economic and Regional Studies of the Hungarian Academy of Sciences, Game Theory Research Unit led by László Á. Kóczy
- Senior lecturer at Corvinus University of Budapest, Dept. of Operations Research and Actuarial Sciences

Skills and fields of interest

Skills: English (fluent), Java, C++, HTML (basic), Z-tree (basic)
Research areas: Fair division problems, Social choice theory, Networks

Papers

- Sziklai B. Fleiner T. Solymosi T. (2016): "On the Core and Nucleolus of Directed Acyclic Graph Games," *Mathematical Programming*, forthcoming
- Solymosi T. Sziklai B. (2016): "Characterization Sets for the Nucleolus in Balanced Games," *Operations Research Letters*, vol. 44. issue 4 pp. 520-524
- Biró P. Kóczy L. Á. Sziklai B. (2015): "Fair Apportionment in the View of the Venice Commission's Recommendation," *Mathematical Social Sciences*, vol. 77, pp. 32-31
- Csercsik D. Sziklai B. (2015): "Traffic Routing Oligopoly," *Central European Journal of Operations Reserach*, vol. 23, issue 4 pp. 743-762
- Fleiner T. Sziklai B. (2012): "The Nucleolus of the Bankruptcy Problem by Hydraulic Rationing," *International Game Theory Review*, vol. 14. No. 1
- Kóczy L. Sziklai B. (2015): "Electing the Pope," *Homo Oeconomicus* Vol. 32 No. 1 pp. 101-116
- Sziklai B. (2011): "On the symmetry of finite pseudorandom binary sequences," *Uniform Distribution Theory* Vol. 6 No. 2 pp. 143-156
- Segal-Halevi E. Sziklai B. (2015): "Resource-monotonicity and Population-monotonicity in Cake-cutting," working paper MTDP 2015/52 (submitted, currently under review)
- Sziklai B. (2015): "On how to identify experts in a community," working paper MTDP 2015/49 (submitted, currently under review)

Thesis title: On the Computation of the Nucleolus of Cooperative Transferable Utility Games,
Supervisor: Tamás Fleiner

Studies

2010-2015 Eötvös Loránd University, Applied Mathematics PhD
2008-2010 Central European University, Applied Mathematics MSc
2006-2008 Eötvös Loránd University, Mathematics BSc
2000-2005 Corvinus University of Budapest, Economics MA

Conferences

- Resource-monotonicity and Population-monotonicity in Cake-cutting (Social Choice and Welfare Conference 2016, Lund);
- Characterisation Sets for the Nucleolus in Balanced Games (East Asian Game Theory Conference 2015, Tokyo; CoopMAS 2015, Istanbul; 2nd German Day of Computational Game Theory, 2015, Berlin);
- On How to Identify Experts in the Community (Summer School in Grenoble[poster], 2015; Networks, Complexity and Economic Development, 2015, Budapest)
- The Nucleolus of Directed Acyclic Graph Games (IWGTS[poster], São Paulo, 2014; SING9, 2013, Vigo; Workshop on Networks and externalities, 2013, Budapest);
- Traffic Routing Oligopoly (5th Doctoral Meeting of Montpellier, 2013; PET13, 2013, Lisbon);
- Notes on the Bankruptcy Problem: An Application of Hydraulic Rationing (SING7, 2011, Paris);

Teaching and work experience

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| 2015- | Corvinus University of Budapest, Senior lecturer, teaching operations research, game theory and probability theory, undergraduate level (some classes in English) |
| 2014 | Central European University, teaching game theory, graduate level (in English) |
| 2012-2015 | Eötvös Loránd University, teaching calculus and game theory, undergraduate level |
| 2012 | Teaching Practice, Prague (CERGE-EI) |
| 2005-2008 | Research assistant at AGB Nielsen Media Research |

Scholarships and grants

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| 2016 | New National Excellence Programme (10 month) |
| 2013 | Young Researcher Scholarship from the Hungarian Academy of Sciences (3 years) |
| 2008 | Full fellowship from Central European University (2 years) |