LISTA DE PUBLICAȚII – dr. GERE István

a.) Lista de 8 articole relevante:

1. <u>István Gere</u>. *Atmospheric noise measurements in the garden: detecting universalities in inter-spheric waiting time statistics*, **Romanian Journal of Physics**, Vol. 69, Nr. 3-4, 804 (2024), DOI: 10.59277/RomJPhys.2024.69.804

2. <u>István Gere</u>, Szabolcs Kelemen, Zoltán Néda, Tamás S. Biró, *Jackpot statistics, a physicist's approach*, **Physica A: Statistical Mechanics and its Applications**, Vol. 637, 129605 (2024), DOI: 10.1016/j.physa.2024.129605

3. <u>István Gere</u>. *Mapping the parameter space of simulated lotteries,* **Journal of Social and Economic Statistics** Vol. 12 (2), 38-52, (2023), DOI: 10.2478/jses-2023-0008

4. András Kuki, Sándor Lipcsei, <u>István Gere</u>, Ferenc Járai-Szabó, Attila Gergely, Dávid Ugi, Péter Dusán Ispánovity, Zoltán Dankházi, István Groma and Zoltán Néda. *Statistical analogies between earthquakes, micro-quakes in metals and avalanches in the 1D Burridge-Knopoff model,* **Geofizika,** Vol. 40, 1–28, (2023), DOI: 10.15233/gfz.2023.40.4

5. <u>István Gere</u>, Szabolcs Kelemen, Tamás S. Biró and Zoltán Néda. *Wealth Distribution in Villages. Transition From Socialism to Capitalism in View of Exhaustive Wealth Data and a Master Equation Approach.* **Frontiers in Physics**, Vol. 10, 827143, (2022), DOI: 10.3389/fphy.2022.827143

6. <u>István Gere</u>, Szabolcs Kelemen, Géza Tóth, Tamás S. Biró, and Zoltán Néda. *Wealth distribution in modern societies: Collected data and a master equation approach.* **Physica A: Statistical Mechanics and its** *Applications*, Vol. 581, 126194, (2021), DOI: 10.1016/j.physa.2021.126194

7. Zoltán Néda, <u>István Gere</u>, Tamás S. Biró, Géza Tóth and Noémi Derzsy. *Scaling in income inequalities and its dynamical origin.* **Physica A: Statistical Mechanics and its Applications**, Vol. 549, 124491, (2020), DOI: 10.1016/j.physa.2020.124491

8. István Pap, Levente Varga, Mounir Afifi, <u>István Gere</u> and Zoltán Néda. *Scaling in the space-time of the Internet.* **Scientific Reports**, Vol. 9, 9734, (2019) DOI: 10.1038/s41598-019-46208-6

b.) Teza de doctorat:

István Gere, Statistical universalities in socio-economic systems (Universalități statistice în sisteme socio-economice), Universitatea Babeș-Bolyai, Școala doctorală Fizică.
Conducător de doctorat: **prof. dr. Néda Zoltán**
(Data de susținere: 09.06.2022, validat prin OM: 6415/15.12.2022)

d.) Articole/studii, publicate în reviste din fluxul științific internațional principal:

Publicații ISI, (WOS)

1. <u>István Gere</u>. *Atmospheric noise measurements in the garden: detecting universalities in inter-spheric waiting time statistics*, **Romanian Journal of Physics**, Vol. 69, Nr. 3-4, 804 (2024), DOI: 10.59277/RomJPhys.2024.69.804

2. <u>István Gere</u>, Szabolcs Kelemen, Zoltán Néda, Tamás S Biró, *Jackpot statistics, a physicist's approach*, **Physica A: Statistical Mechanics and its Applications**, Vol. 637, 129605 (2024), DOI: 10.1016/j.physa.2024.129605

3. András Kuki, Sándor Lipcsei, <u>István Gere</u>, Ferenc Járai-Szabó, Attila Gergely, Dávid Ugi, Péter Dusán Ispánovity, Zoltán Dankházi, István Groma and Zoltán Néda. *Statistical analogies between earthquakes, micro-quakes in metals and avalanches in the 1D Burridge-Knopoff model,* **Geofizika,** Vol. 40, 1–28, (2023), DOI: 10.15233/gfz.2023.40.4

4. <u>István Gere</u>, Szabolcs Kelemen, Tamás S. Biró and Zoltán Néda. *Wealth Distribution in Villages. Transition From Socialism to Capitalism in View of Exhaustive Wealth Data and a Master Equation Approach.* **Frontiers in Physics**, Vol. 10, 827143, (2022), DOI: 10.3389/fphy.2022.827143

5. <u>István Gere</u>, Szabolcs Kelemen, Géza Tóth, Tamás S. Biró, and Zoltán Néda. *Wealth distribution in modern societies: Collected data and a master equation approach.* **Physica A: Statistical Mechanics and its** *Applications*, Vol. 581, 126194, (2021), DOI: 10.1016/j.physa.2021.126194

6. Zoltán Néda, <u>István Gere</u>, Tamás S. Biró, Géza Tóth and Noémi Derzsy. *Scaling in income inequalities and its dynamical origin.* **Physica A: Statistical Mechanics and its Applications**, Vol. 549, 124491, (2020), DOI: 10.1016/j.physa.2020.124491

7. István Pap, Levente Varga, Mounir Afifi, <u>István Gere</u> and Zoltán Néda. *Scaling in the space-time of the Internet.* **Scientific Reports**, Vol. 9, 9734, (2019), DOI: 10.1038/s41598-019-46208-6

Publicații ERIH+:

1. <u>István Gere</u>. *Mapping the parameter space of simulated lotteries,* **Journal of Social and Economic Statistics** Vol. 12 (2), 38-52, (2023), DOI: 10.2478/jses-2023-0008

Data   Semnătura candidatului