Benedek Nagy (FACULTY MEMBER)

Area: DISCRETE MATHEMATICS and (THEORETICAL) COMPUTER SCIENCE

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Online Research Profiles

The 4 (Google Scholar, Research Gate, MathSciNet, and Web of Science) you can add + I think we can add also:

Scopus: https://www.scopus.com/authid/detail.uri?authorId=7102003683
ZentralBlatt: https://zbmath.org/authors/?q=nagy.benedek
DBLP: https://dblp.uni-trier.de/pers/n/Nagy:Benedek.html

Research Area Keywords

- Formal languages
- Automata theory
- Enumerative combinatorics
- Graph theory and graph algorithms
- Grids and tilings
- Digital geometry
- Image processing and graphics
- Logical puzzles
- Game theory
- Artificial intelligence algorithms

Recent Supervised Theses / Projects

Ph.D. Theses:

1) Copy Machines – Self-reproduction with 2 States on Archimedean Tilings – MohammadReza Saadat (2022).
2) Discrete Rotations on the Triangular Plane – Aydın Avkan (2022).
3) Logical Puzzles – Laith Ali Khalaf Alzboon (2020).
4) Deterministic and Nondeterministic Sensing 5'->3' Watson-Crick Automata without Sensing Parameter – Shaghayegh Parchami (2020).
5) Counting shortest paths in grids Bashar Khassawneh (2020).

M.Sc. Theses:

1) Theoretical Limitations of Deep Neural Networks – Raghda Wael Ezzeldin Hamdy Aly (2024).
2) Automatic Sequences – Fatlonder Cakolli (2023).
3) Finite Automata and Their Graphs – PRECIOUS P. ADELAJA (2023).
4) A study of integer partitions and their derivations – NETSANET TEKLEMARIAM (2021).
5) Cellular Automata in the Triangular Grid – MohammadReza Saadat (2015).

BAP-C Projects:

1) "Vector Addition on a Triangular Grid" (2018)