

Elira Shaska

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Research areas

Machine Learning, *Deep learning*, Geometric Learning, Equivariant Neural Networks.
Cybersecurity and Cryptography., *Isogeny based cryptography*, homomorphic encryption.

Education

May 23-present **PhD in Applied Mathematics**, *Oakland University, MI*.
May 23-May 24 **Master of Science in Computer Science**, *Oakland University, MI*, Rochester, MI..
Aug.10-Jun.12 **Master in Mathematics**, *The University of Agder*, Norway.
Sep.09-Jun.10 **Professional Master in Mathematics**, *University of Shkodra*, Albania.
Sep.06-Jun.09 **Bachelor in Mathematics**, *University of Shkodra*, Albania.

Experience

Sep.15-Jun.21 **Teacher of Mathematics and Physics**, *Cambridge International School "Udha e Shkronjave"*, Tirane, Albania.
Sep.12 -Jun.15 **Teacher of Mathematics**, "Scutari" High school, Shkoder, Albania.
Sep.12 -Jun.15 **Part-time lecturer of Mathematics**, *Dep. of Math. & Physics*, Univ. of Shkodra, Albania.

Papers

5. E. Shaska Counting genus two curves with (n, n) -split Jacobians over finite fields, NATO Sci. Peace Secur. Ser. D Inf. Commun. Secur., (to appear)
4. E. Shaska Machine learning on genus two curves with (n, n) -split Jacobians and isogeny-based cryptography, Contemporary, Math, 2024 (to appear)
3. E. Shaska, T. Shaska; Deep learning for moduli space of genus two curves and an application to post-quantum cryptography, Lecture Notes in Computer Science (submitted)
2. E. Curri, T. Shaska, C. Shor: [Emma Previato and her mathematical life \(1952–2022\)](#), Albanian J. Math.; Vol. 17. (2023), No. 1, 3-12.
1. E. Curri [On the semistability of binary forms over number fields](#) Albanian J. math. vol. 16. No. 1, 3-23 (2022).

Conferences Organized

2. April 2024 [Artificial Intelligence in Mathematics](#), AMS Meeting #1195, University of Wisconsin-Milwaukee, Milwaukee, WI, April 20-21, 2024. Organizers: Alessandro Arsie, Elira Curri, Mee Seong Im, Tony Shaska
1. June 2022 [Recent trends in algebra, geometry, and arithmetic](#), Research Institute of Science and Technology, June 9-12, Vlora, Albania (with Tony Shaska)

References

Upon request