Postdoc Opportunity on Deep Neuro-controllers at Tel-Aviv University

The Computational Intelligence Research Group at Tel-Aviv University is looking for a **Postdoctoral Research Fellow** (see: www.eng.tau.ac.il/~moshaiov).

The candidate is expected to apply for the Azrieli International Postdoctoral Fellowship (see: https://azrielifoundation.org/fellows/internationalpostdoctoral/#overview).

Key dates for the 2026–27 academic year:

- Contact Dr. Ami Moshaiov (moshiov@tauex.tau.ac.il) no later than Nov. 10, 2025
- Azrieli Applications close: November 19, 2025
- Award notification: By March 31, 2026

Research Title:

Many-scenario Pareto-based Approach to Evolutionary and Reinforcement Learning of Deep Neuro-controllers for Natural and Artificial Agents

Related Publications:

- Salih, A., & Moshaiov, A. (2024). Neuro-evolution-based generic missile guidance law for many-scenarios. *Applied Soft Computing*, *152*, 111210.
- Salih, A., & Moshaiov, A. (2022). Evolving topology and weights of specialized and non-specialized neuro-controllers for robot motion in various environments. *Neural Computing and Applications*, *34*(19), 17071-17086.
- Salih, A., & Moshaiov, A. (2022). Promoting transfer of robot neuro-motion-controllers by many-objective topology and weight evolution. *IEEE Transactions on Evolutionary Computation*, *27*(2), 385-395.

Required Qualifications:

- Candidates should have officially been awarded their PhD degrees no earlier than November 1, 2022. Also, candidates may apply as long as they complete their dissertation defense successfully no later than June 1, 2026.
- Academic degree in Computer Science, Engineering, Neuroscience or similar
- Experience in developing DNNs and Reinforcement Learning
- Programming experience
- Excellent oral and written communication skills in English

Non-mandatory Knowledge

- Experience with evolutionary computation and multi-objective optimization