

Bio Sketch of Amiram (Ami) Moshaiov

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Amiram Moshaiov is a faculty member of the School of Mechanical Engineering and a member of the Sagol School of Neuroscience at Tel-Aviv University. During the 80's he was a faculty member at MIT, USA.

He is an Associate Editor of the IEEE Trans. on Emerging Topics in Computational Intelligence, as well as of the Journal of Memetic Computing. In addition, he is a reviewer to many other scientific journals.

Moshaiov was a member of the Management Board of the European Network of Excellence in Robotics. He is currently a member of the IEEE Task Force on Evolutionary Deep Learning and Applications and of the IEEE Task Force on Artificial Life and Complex Adaptive Systems. He is also a member of the EURO Working Group on Multicriteria Decision Aiding.

Moshaiov is or was a member and associate editor in many international program committees of conferences such as: The IEEE Int. Conf. on Systems, Man, and Cybernetics, The IEEE/RSJ Int. Conf. on Intelligent Robots and Systems, The IEEE Congress on Evolutionary Computation, The IEEE World Congress on Computational Intelligence, The IEEE Sym. on Artificial Life, The IEEE Sym. on Comp. Intelligence for Security and Defense Applications, The IEEE Sym. on Comp. Intelligence in Multi-criteria Decision Making, The Int. Conference on Parallel Problem Solving from Nature, The International Conf. on Simulated Evolution And Learning, The European Robotic Symposium, The Int. IFAC Symposium on Robot Control, The Int. Symposium on Tools and Methods of Competitive Engineering, The Int. Conf. on Engineering Design, The Int. Conference on Mechatronics, The IEEE Int. Conference on Control Applications, and The IEEE Int. Conference on Computational Cybernetics.

His research interests are in methods such as: Computational Intelligence including Evolutionary Computation, Artificial Neural Networks, Fuzzy Logic and their hybridizations, Interactive Evolutionary Computation, Multi-criteria Decision Making, Multi-Objective Optimization and Adaptation, Multi-Concept Optimization, and Multi-Objective Games.

He is interested in application areas such as: Engineering Design, Operation and Management Research, Behavioral and Cognitive Robotics, Mechatronics, Control, Bio-Mechanics, Complex Adaptive Systems, Cybernetics and Artificial Life (Bio-Plausible Simulations), Computer Vision, Data Science, Big Data and Defense (air, land, sea, and cyber).