

זוכי פרס ארדש 2015

Professor Shiri Artstein-Avidan, Tel Aviv University

For outstanding results in Asymptotic Geometric Analysis and its applications to the problems of Convex and Symplectic Geometry. Shiri's lasting contributions already left her mark on the whole field. Her achievements include solution of Shannon's long standing problem on monotonicity of entropy (with K. Ball, F. Barthe and A. Naor), profound and unexpected development of the concept of duality, Legendre and Fourier transform from axiomatic viewpoint (with V. Milman) and discovery of an astonishing link between Mahler's conjecture in convexity theory and an isoperimetric-type inequality involving symplectic capacities (with R. Karasev and Y. Ostrover).

Professor Michael Hochman, The Hebrew University

For outstanding achievements in Ergodic Theory. Of particular note is his spectacular work on self similar sets and measures (in parts with P. Shmerkin) which has a strong connection to some deep questions raised by Furstenberg. Mike has also done outstanding and fundamental work on higher dimensional shifts of finite type (in parts with T. Meyerovitch) and on the zero temperature limit of Gibbs states (with J.-R. Chazottes). He has revolutionized the study of fractal geometry for dynamically defined sets while contributing significant advances to other areas of dynamics.

Chairman, Professor Baruch Solel, Technion