The Institute of Mathematics
of the Polish Academy of Sciences Award for outstanding scientific achievements in Mathematics

We have the pleasure of inviting you to the ceremony of granting the IMPAN Scientific Award which will be held **on 18th June 2019 at 4:30 p.m. in room 409.** This year's awardee is **prof. dr hab. DARIUSZ BURACZEWSKI**, for works on stochastic properties of differential equations.

At 5 p.m. in room 403, the laureate will deliver a lecture:

Random walks and random recursions.

Abstract: We will consider the nearest neighbor random walk on the set of integers with random transition probabilities called the random walk in random environment (RWRE). Limit theorems for RWRE were proved by Kesten, Kozlov, Spitzer in the transient case and by Sinai in the recurrent case. The first result partially bases on the relations of RWRE with affine stochastic recursions. Recently a number of strong analytical properties of random recursions were obtained and applied to study further properties of RWRE. We will describe some new results related to large deviations for RWRE. The talk bases on a joint paper with Piotr Dyszewski.