1151-60-28   **Leonid Petrov*** (`lenia.petrov@gmail.com`), Department of Mathematics, University of Virginia, 141 Cabell Drive, Kerchof Hall, Charlottesville, VA 22904. *Bijectivisation: from identities to stochastic maps.*

I will explain a general mechanism of turning a combinatorial identity with positive terms into a stochastic mechanism which randomly maps objects from one side of the identity into objects on the other side. I will focus on one application of this idea related to random lozenge tilings of the hexagon. Based on a joint works with Alexey Bufetov and Axel Saenz. (Received July 21, 2019)