A polynomial $p(x, y)$ on a region $S$ in the plane is called a packing polynomial if the restriction of $p(x, y)$ to $S \cap \mathbb{Z}^2$ yields a bijection to $\mathbb{N}$. In this talk, I discuss all quadratic packing polynomials on rational sectors of $\mathbb{R}^2$. (Received August 27, 2014)