INNA BUMAGIN, Carleton University
Free Lyndon length functions and CAT(0) spaces

I will give a definition of a group equipped with a free Lyndon $\mathbb{Z}^n$-length function and explain how one can construct a CAT(0) space on which such a group acts properly discontinuously and co-compactly. This is joint work with Olga Kharlampovich.