MATEJA SAJNA, University of Ottawa
On the directed Oberwolfach Problem with equal cycle length

In this talk we present recent progress towards the determination of the necessary and sufficient conditions (on m and n) for a complete symmetric digraph with n vertices to admit a resolvable decomposition into directed cycles of length m. In the literature, these decompositions are also called *directed cycle systems* (with constant cycle length) and *Medelsohn designs* (with $\lambda = 1$).

This is joint work with Andrea Burgess and Patrick Niesink.