FREDDY DUMORTIER, Limburgs Universitair Centrum, Belgium Bifurcation of relaxation oscillations

The talk deals with bifurcation of relaxation oscillations in two-dimensional systems, with emphasis on Liénard equations. Attention goes to the investigation of the transient canard oscillations during the bifurcation as well as to the techniques used in proving the results.

The talk relies on recent joint work with Robert Roussarie.