SANJAY PATEL, McMaster University
o-minimality for quasi-analytic algebras of functions of one variable

We will discuss how, given a class of functions of one variable satisfying certain conditions, one might construct classes of functions of several variables which will be definable in an o-minimal and model-complete expansion of the real field. The conditions include being a "quasi-analytic" algebra, being analytic except possibly at one point, and possessing a suitable complete function space topology.