## **ERIC SCHOST**, The University of Western Ontario, London, ON *Some applications of multivariate modular composition*

In 2008, Kedlaya and Umans introduced the first quasi-linear time algorithm to compute the modular composition of univariate polynomials, namely, f(g) modulo h.

I will describe an extension of this idea to a multivariate setting, and its application to computations with modular polynomials, as seen for instance in the SEA algorithm for elliptic curve point counting.