## Lifting and Recombination Techniques for Absolute Factorization.

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This talk will start with an historical survey on absolute factorization algorithms, and in particular with the seminal work of Heintz and Sieveking in the early 80'. Then we will present new faster algorithms to compute the absolute factorization of a multivariate polynomial, that combine both advantages of Gao's algorithm, and of the classical lifting and recombination scheme.

Joint work with Guillaume Chèze (Laboratoire de Mathématiques J.-A. Dieudonné, Université de Nice Sophia-Antipolis, France).