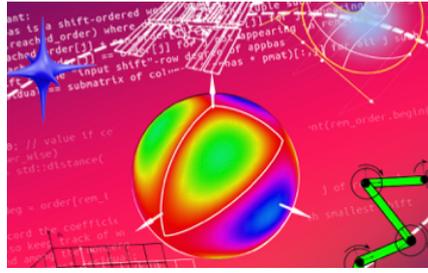


## Fundamental Algorithms and Algorithmic Complexity



ID de Contribution: 12

Type: Non spécifié

## Recent progress on deterministic integer factorisation by David Harvey

*lundi 25 septembre 2023 11:00 (1 heure)*

Abstract. There are several deterministic factoring algorithms of complexity  $N^{1/4+o(1)}$  going back to the 1970s. A few years ago Hittmeir lowered the exponent to  $2/9$ , and I subsequently improved it further to  $1/5$ . In this talk I will explain the key ideas behind these new algorithms.