

## New mobile phone security algorithms

- New set of algorithms proposed for inclusion in the “4G” mobile standard called LTE (Long Term Evolution):
  - Stream cipher **ZUC**, the core of both new LTE algorithms
  - LTE encryption algorithm **128-EEA3**, defined straightforwardly using ZUC
  - LTE integrity algorithm **128-EIA3**, a Universal Hash Function with ZUC as its core
- Assessed by well known cryptologists – so far so good
- Now open for public evaluation
- <http://zucalg.forumotion.net/>

