**Employment Conditions**

* Position is full time, initially for 6 months with a possible extension to 18 months and available as soon as possible.
* Salary is PLN 8,375 per month (gross).

**Essential Criteria**

* PhD degree in Computer Science or Mathematics (or in closely related field). The candidate should hold their PhD for no longer than 7 years (excluding maternity, parenthood and guardian leaves) or in other words, their PhD should be completed in or after 2012 in case there is no leave.
* Solid background in Mathematics and Computer Science.
* Excellent research track record confirmed by publications in quality conference proceedings and/or journals.
* Excellent programming skills.
* Good English language skills (in writing, reading and speaking).

**Desired Criteria**

* Knowledge of Cryptography and Coding Theory with an emphasis on compression coding.
* Experience with mathematics software such as Maple, Magma and Matlab.

**Job Description**

* Development of theoretical underpinnings of joint compression and encryption.
* Analysis of efficiency and complexity of ANS compression algorithms.
* Design of ComCrypt algorithms for different levels of security.
* Cryptographic analysis of ComCrypt algorithms (algebraic, linear and differential).

**Application Procedure**

* The following documents are required:
  * cover letter with the following statement: “I give my consent to the Institute of Computer Science, Polish Academy of Sciences, for processing my personal data that are necessary for recruitment purposes” ,
  * copy of PhD degree certificate,
  * curriculum vita (CV), which provides information about your research activities, participation in research projects, academic visits/seminars and awards,
  * publication list.
* The documents are to be sent via email to josef.pieprzyk@csiro.au by the deadline. The preferred format is pdf.
* Shortlisted candidates will be interviewed (using either Skype or Zoom).
* Final decision is expected to be made soon after the interviews.