

About Cepia

PLATINIUM

- Small research company
- Started operation 3rd January 2009
- Located in Brno (Platinium at Veveri)
 - Secure offices for 25 people over 2 floors + meeting rooms and reception
 - Own ICT with high level of security for own research and production
 - Very comfortable working environment for staff

What we do?

- Main focus on developing crypto analytical systems and data mining tools for governmental customers
 - Strong focus within research activities
 - Maintaining high academic standards for our staff
 - Dedicated to building bleeding edge systems
- Developing data/signal acquisition systems to mate with our crypto analytical systems
- Search and Rescue systems for airborne applications

Current and future projects

- Time-memory Trade-off (TMTO) attacks
 - A5/1, A5/2, A5/3 & Kasumi, GEA1/2, GMR1/2, etc.
- High Performance Computing (HPC)
 - Building a generic platform, HW/SW co-design
 - Cryptanalysis, financial analysis, etc.
- In-depth analysis of communication protocols
- Hostile network detectors for GSM networks
- Search and Rescue systems
 - SAR seekers (mobile phone locator and communicator for airborne, seaborne and land based search and rescue)

Cooperation of Cepia with FI

Internships

- Generating/verifying of new ideas
- Basic prototyping (done in secure environment)

Theses

Topics interesting in longer time perspective

Competitions

Important for identifying talented students/co-workers

Lecturing

Individual lectures, projects related to education in crypto field...

Why work for Cepia?

- Bleeding edge research and development in cryptology, information security, data mining and signal/protocol processing
- Ensuring employees have time to keep up to date in their field of expertise
- Very high education level among colleagues
- Work in international teams
- Competitive salaries

Who are we looking for?



- Ability to think out-side 'the box'
 & to consume new ideas quickly
- Selected opened positions
 - C/C++ programming
 - VHDL, GPU and DSP algorithms design and programming
 - Reverse engineering/obfuscation



Internships and student projects

Thank you for your attention