

**Doctoral School of Information and Biomedical Technologies Polish  
Academy of Sciences (TIB PAN)**

**SUBJECT:**

Applied cryptography and privacy protection

**SUPERVISOR:**

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Przemysław Kubiak, PhD (auxiliary supervisor).

**DESCRIPTION:**

Design and security analysis of schemes devoted to data protection in cyberspace.

Particular impact on problems arising with implementing European Digital Identity Wallet, ledger technologies, and privacy protection by design and default.

**REQUIREMENTS:**

- MSc degree in computer science or mathematics (with focus on computer algebra) from a high-ranked university,
- programming and implementation skills,
- good skills in mathematics (proof systems, logic, algebra,...),
- good background in algorithmics, at least an undergraduate cryptography course,
- advanced level in English (speaking and writing), no necessity to communicate in Polish.