Secure and scalable algorithms for DAG-based blockchains

Résumé du projet de recherche (Langue 1)

Therefore, non academic research further concentrate in proposing alternatives by improving some performance aspects but with non zero costs either on security or throughput. One of these solutions extends the blockchain to a DAG overlay. The objective of the thesis is to analyze the algorithmic building blocks of existing DAG-based blockchains and to push further the state of the art in terms of security, privacy, consistency guaranties, algorithms, performance evaluation (energy).