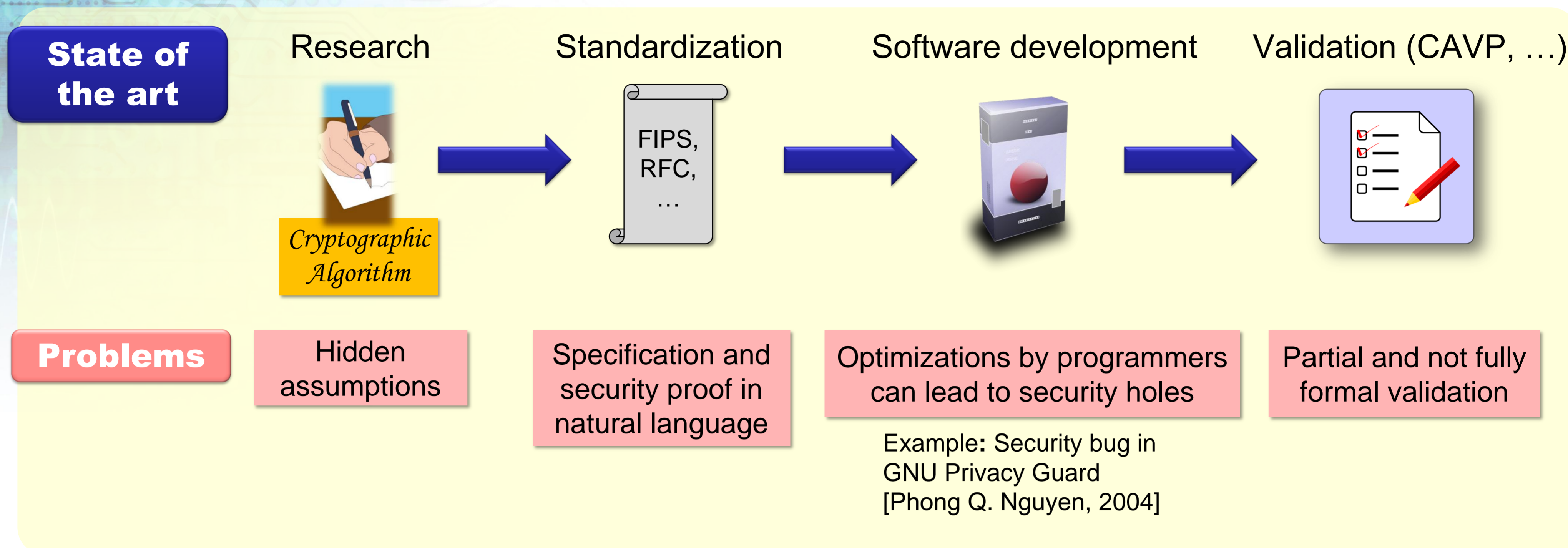


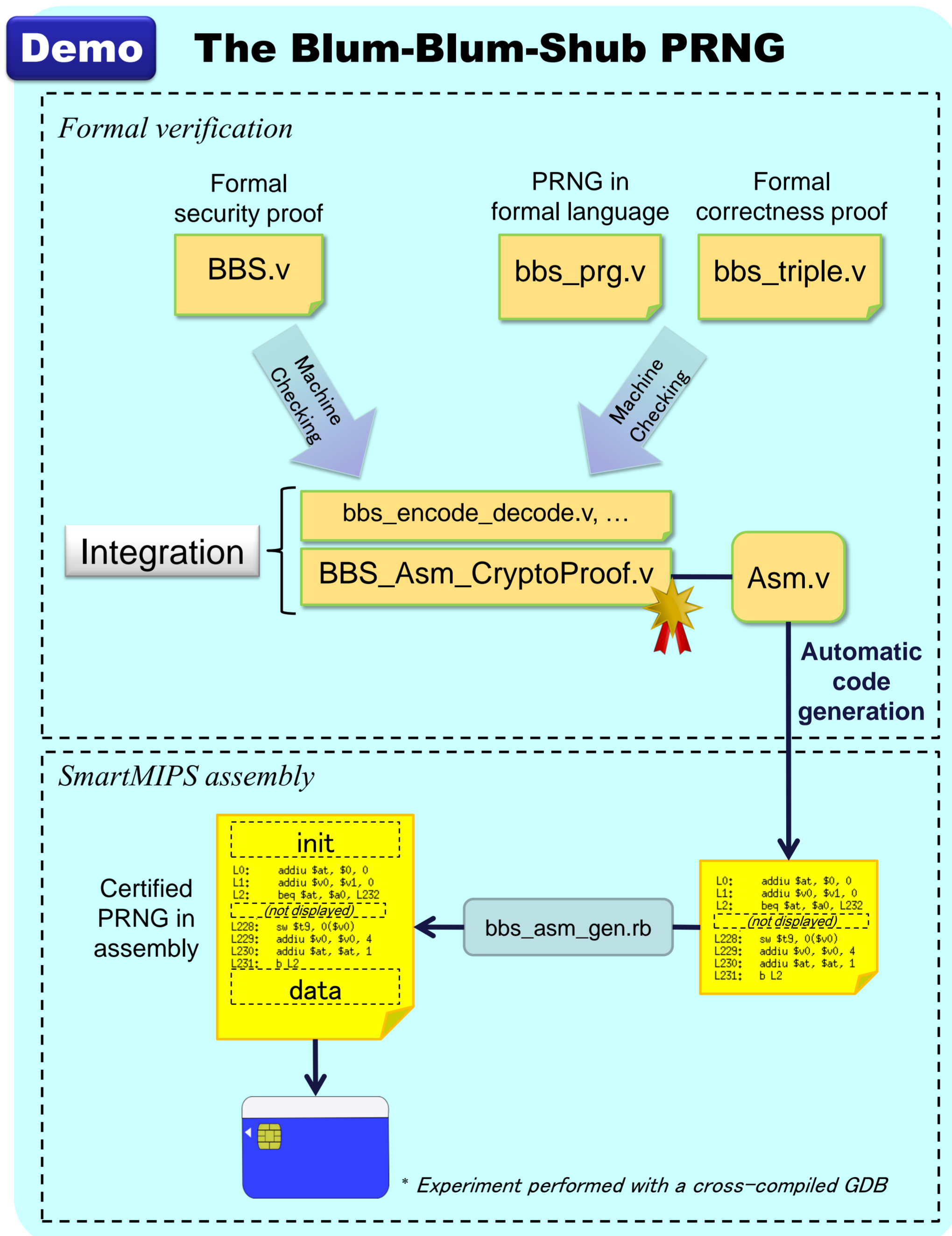
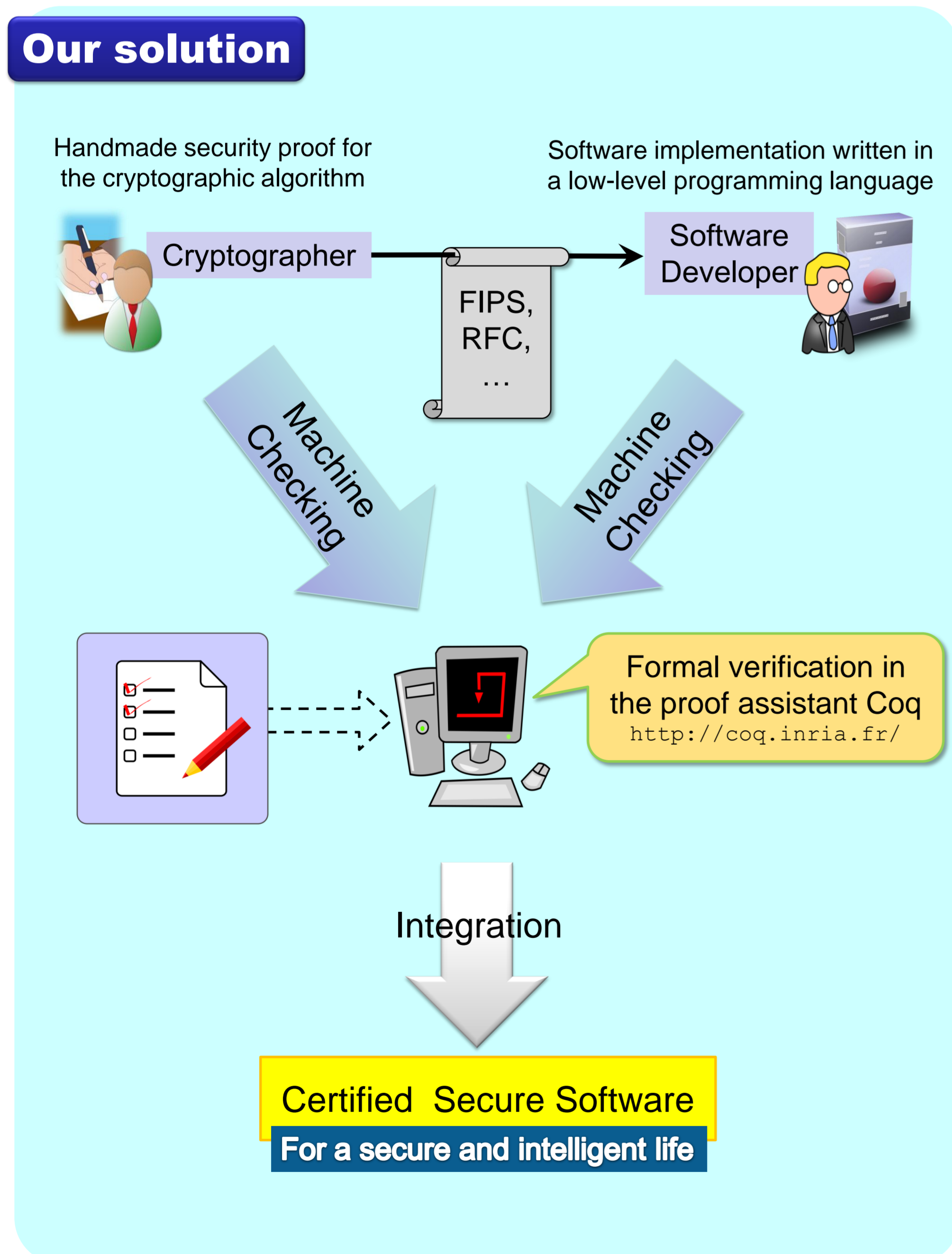
# Secure Cryptographic Software

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Research Team for Software Security



## Goal: Certify cryptographic software against security bugs



### Reference

Reynald Affeldt, David Nowak, and Kiyoshi Yamada. Certifying assembly with formal cryptographic proofs: the case of BBS.

In *Automated Verification of Critical Systems 2009, volume 23 of Electronic Communications of the EASST.*

Formal development: <http://staff.aist.go.jp/reynald.affeldt/bbs>

### Future Work

Reuse our certified implementation of BBS as the source of pseudorandomness in the implementations of other cryptographic algorithms.

### Acknowledgment

Based on joint work with Kiyoshi Yamada

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