

SATC: CORE: Small: Efficient Plausible Deniability Systems

National Security Institute



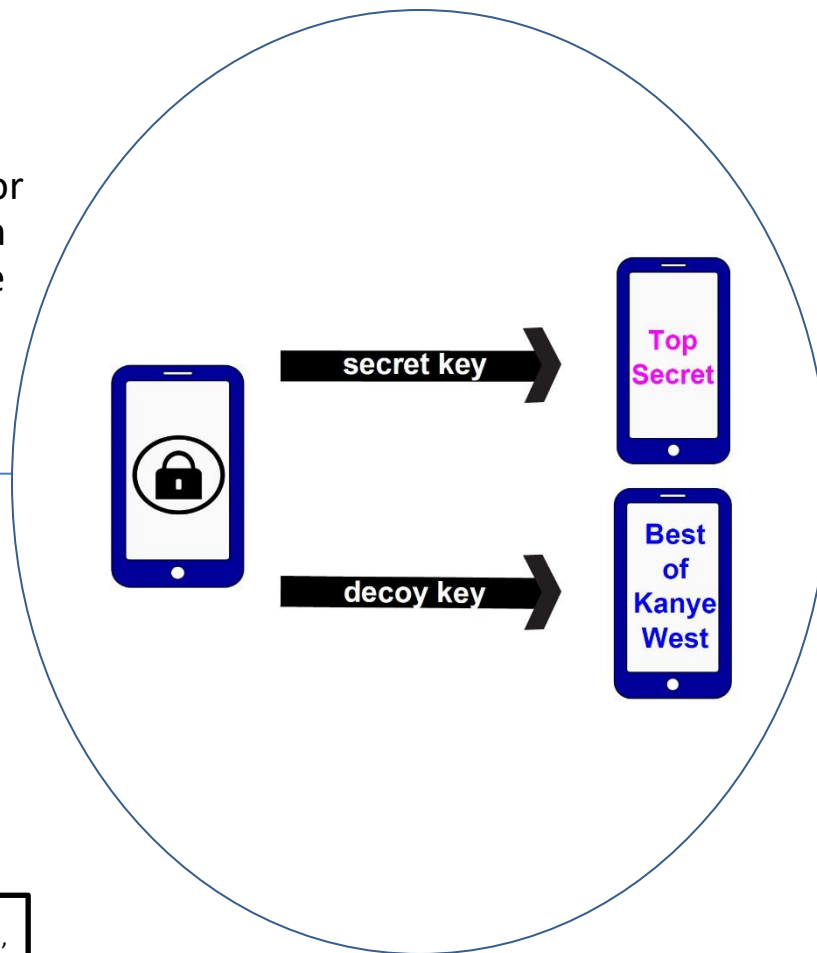
Stony Brook University

Challenge:

Protect sensitive stored or communicated data from adversaries with coercive powers (e.g., oppressive regimes).

Solution:

- Fastest PD storage mechanisms to date.
- New PD secure communication techniques.



Scientific Impact:

- Plausible Deniability Foundations
- New encodings for hiding information in flash storage
- Practical mechanisms safe against realistic adversaries.
- New secure communication mechanisms

Broader Impact:

- Protect Freedom of Speech and Human Rights Activism
- Project resulted in practical open-source tools and mechanisms

SATC Award 2052951, Radu Sion, sion@cs.stonybrook.edu (PI, Stony Brook University), Bogdan Carbutar, carbutar@cs.fiu.edu (Co-PI, Florida International University)