Project 2501 18:30 00:30 Day: 4 Track: Security & Hacking en

Chef: 2433 Lindworm: 5463 Emergency: 112 Security: 110 Heaven: 1023 Speakers Desk: 1020 Info Desk: 1111

Translation (check if available): 8011 Technical Coordinator: 1611

Title: Hardware attacks: hacking chips on the (very) cheap

Subtitle: How to retrieve secret keys without going bankrupt

Speaker: Ramiro Pareja & Rafa Boix

Short: Hardware attacks are becoming more and more common. Attacks like Power Anal-

ysis or Fault Injection are spread and well known nowadays and the recent hacks to gaming consoles or payment systems are a proof of it. Despite the increasing

popularity of these attacks, the cost of the required tools has been unaffordable for most security enthusiasts. Projects like Chipwhisperer have significantly de-

creased the price of a hardware-hacking setup even below the 1000 barrier, but

it still can be too high for hackers that only wants to experiment for fun. We want to prove that money is not a concern if you want to introduce yourself to

hardware hacking. Is it possible to perform side channel analysis or fault injection

attacks with only 30 euros?