

Fingerprint Anti-Spoofing

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Hacker attack

Hacker fakes German minister's fingerprints using photos of her hands

Jan Krissler used high resolution photos, including one from a government press office, to successfully recreate the fingerprints of Germany's defence minister



▲ The hacker used commercial Photograph: A. T. Willett / Alamy/Alamy

It's an old cliché of security researchers: fingerprints might appear more secure than passwords. But if your password gets stolen, you can change it to a new one; what happens when your fingerprint gets copied?



How Bkav tricked iPhone X's Face ID with a mask



Подписаться 7,38 тыс.

1 374 327 просмотров

3 068 1 033

PRO CYBER NEWS

Fraudsters Used AI to Mimic CEO's Voice in Unusual Cybercrime Case
Scams using artificial intelligence are a new challenge for companies



PHOTO: SIMON DAWSON/BLOOMBERG NEWS

By Catherine Stupp

Updated Aug. 30, 2019 12:52 pm ET

Criminals used artificial intelligence-based software to impersonate a chief executive's voice and demand a fraudulent transfer of €220,000 (\$243,000) in March in what

Current status



Capacitive fingerprint sensor of
Samsung Galaxy S10e



Samsung Galaxy A series has
on-screen optical sensor



Ultrasonic fingerprint sensor of
Samsung Galaxy Note 10



Requirements

- Reading of papers
- Dataset collection
- Python
- PyTorch



Possible tasks

- Implementation of NNs architectures (training, testing, error analysis)
- Research of NNs for generation of artificial datasets
- Implementation of custom layers
- Performance analysis: accuracy, time, memory

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THANK YOU!

감사합니다!

СПАСИБО!

