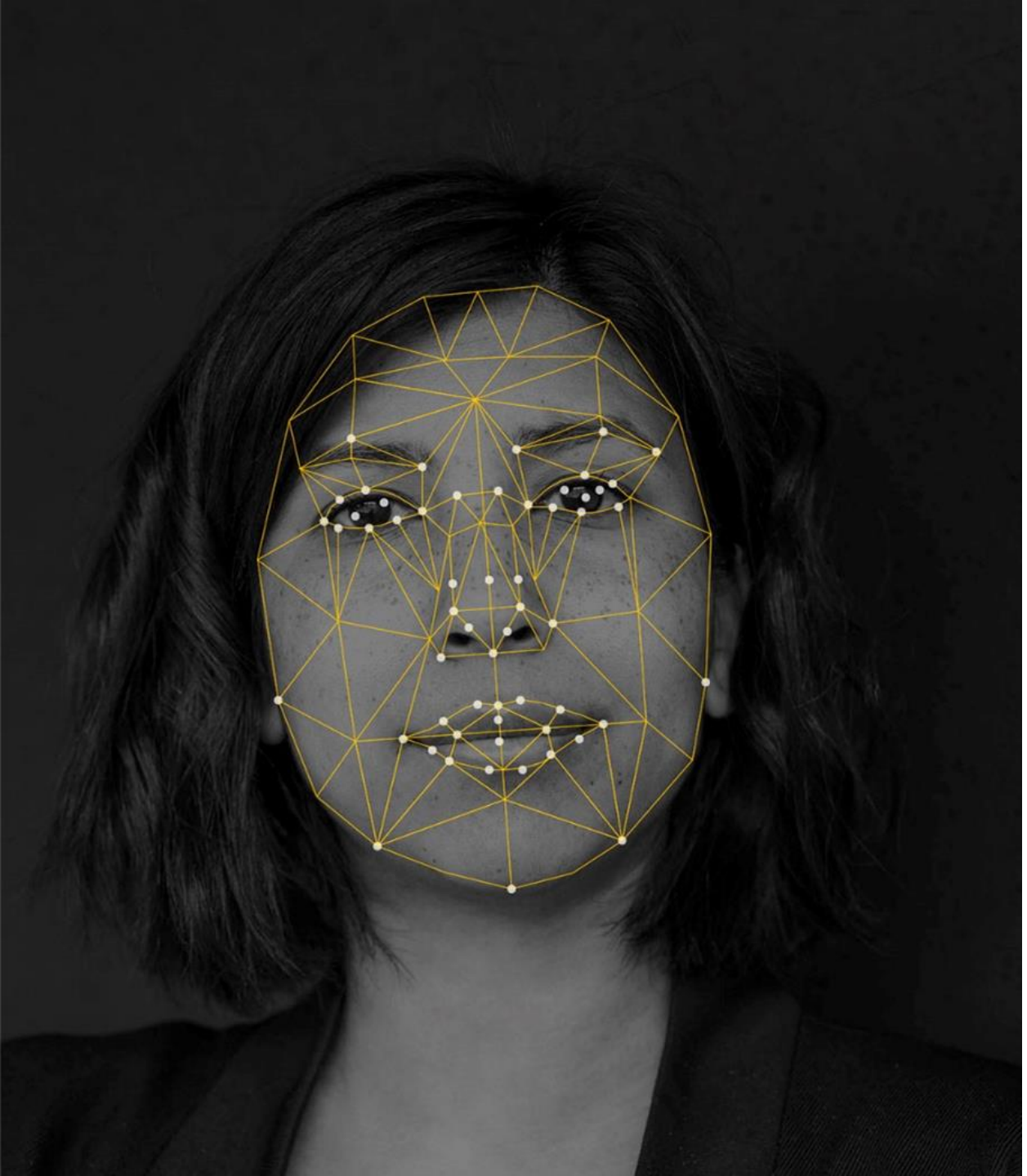


World leading Attack Detection on Biometric Systems

Designed to provide attack detection by disclosing manipulated biometric samples and to provide the best multimodal authentication security with attack detection

mobai
Multimodal
Biometric
Authentication

Outline

- Introduction to Mobai
- Our perspective on key issues for secure and easy travel across borders

A spin-off company from

NORWEGIAN BIOMETRICS LABORATORY

NTNU
Norwegian University of
Science and Technology

The NTNU researchers have over the years participated in the progress of the field, and this is the founding platform for Mobai

Significant contributor to standards

ISO/IEC JTC 1/SC 37
Biometrics

123
published ISO standards*
under the direct responsibility of ISO/IEC JTC 1/SC 37

Several large scale International research projects (National, EU, US, industrial funded)

SOTAMD

Recognized research world wide

«Vulnerability on Commercial Face Recognition Systems» awarded **best paper**
IWBF-2019, Cancun, Mexico

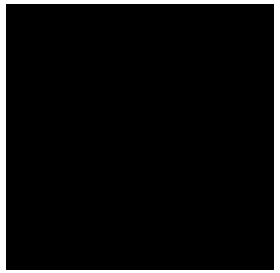
«Reducing the Error Rates in Template Protection for Iris Recognition» awarded **best paper**
ISBA-2019, Hyderabad, India

Our vision is to enable the secure use of biometrics

[redacted]

CEO

Experienced business developer with relevant domain knowledge from ICT, finance and energy



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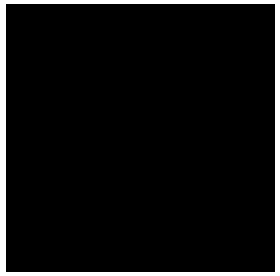
Tech lead – development

PhD, Dept. of Information Security and Communication Technology, NTNU



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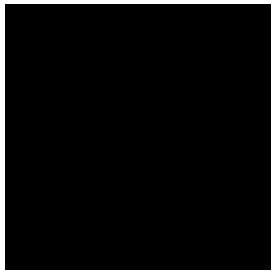
Tech lead – concept

Researcher, Dept. of Information Security and Communication Technology, NTNU



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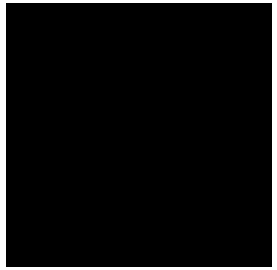
Tech advisor

Professor, Dept. of Information Security and Communication Technology, NTNU



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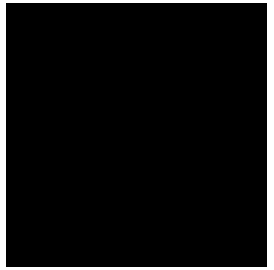
Tech advisor

Professor, Dept. of Information Security and Communication Technology, NTNU

[redacted]

Member of the board & business development

Innovation manager NTNU Technology Transfer AS



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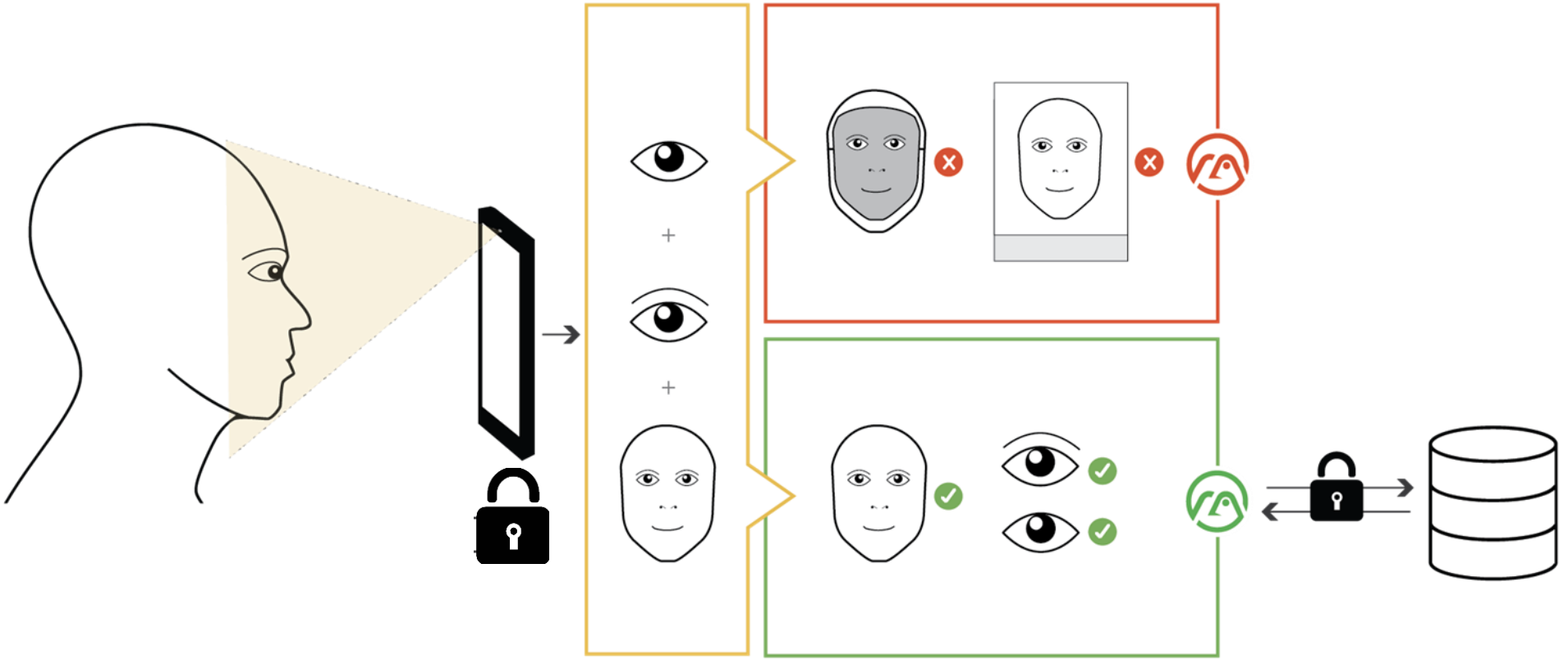
Chairman of the board

CEO og grunnlegger
Kong Arthur AS

The Mobai technology is developed by an acknowledged research team at the Department of Information Security and Communication at NTNU.

NTNU
Norwegian University of Science and Technology

Our Biometric Authentication (or standalone Presentation Attack Detection) utilize a multimodal combination of **face, iris** and **ocular** modalities to provide strong security and privacy protection.



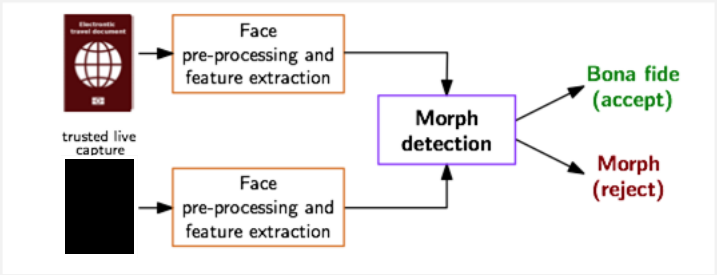
Patent pending

Face morph detection

Genuine Subject 1 | Morphed Identity | Genuine Subject 2

Detect from image alone

Combine with trusted capture



NTNU
Norwegian University of Science and Technology

NIST

FRVT MORPH

iMARS

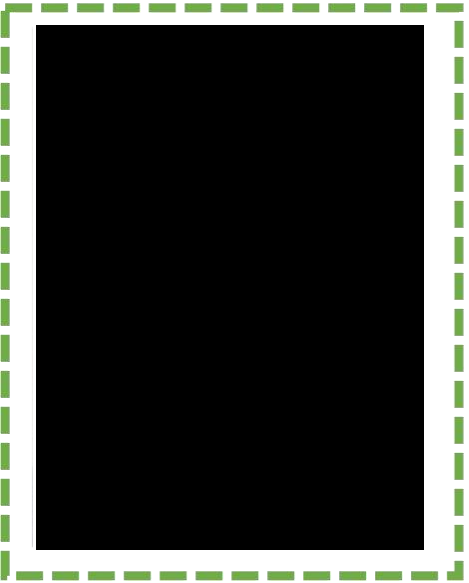
image **M**anipulation **A**ttack **R**esolving **S**olutions

H2020-SU-SEC-2019

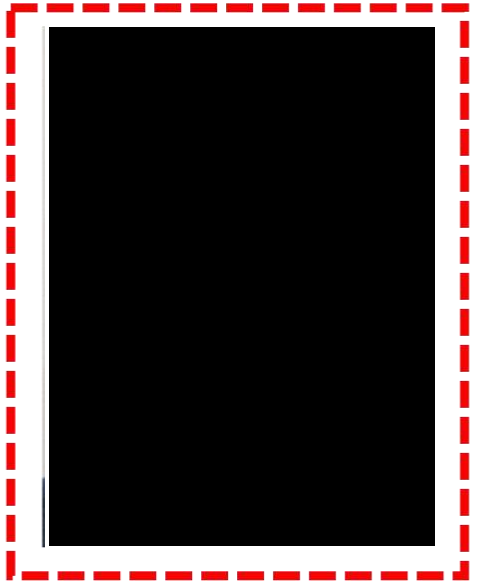
Three must win battles
for a secure and efficient travel process

Three must win battles
for a secure and efficient travel process

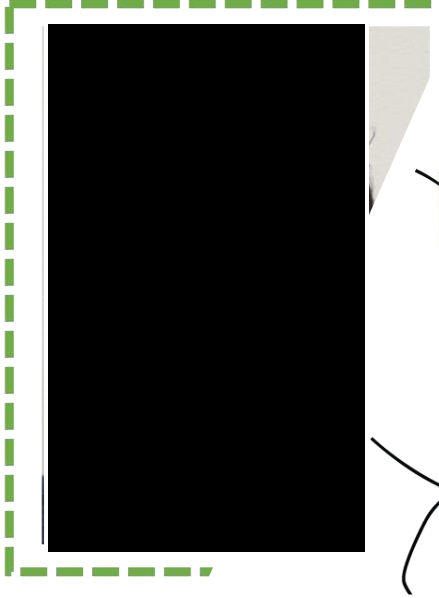
Strong attack detection in the travel workflow



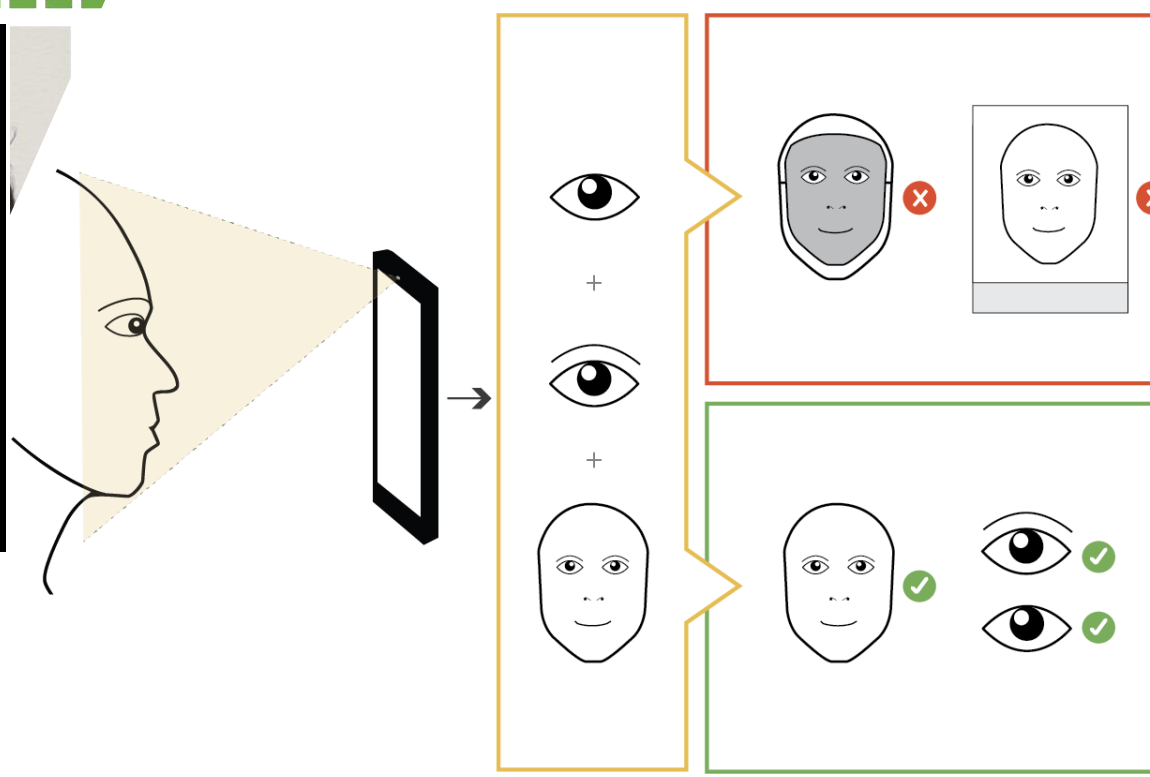
Genuine Subject 1



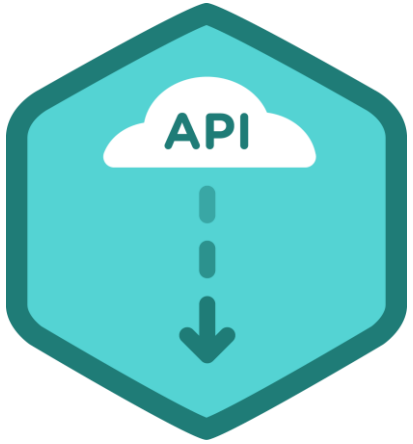
Morphed Identity



Genui



Attack detection as a service



Use in existing processes where you issue documents, or control IDs and verify identity (e.g eGates), and to develop new tools

Figure: Flaticon

Three must win battles
for a secure and efficient travel process

Strong attack detection in the travel workflow

Rethink the process of issuing passports

Her Majesty's Passport Office @HM_Passport · 4. okt.

It's simple and easy to upload a digital photo to your online passport application.
Find out more here: ow.ly/qIIT50vEivB

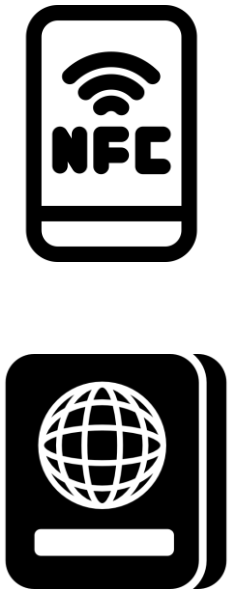
TRUST

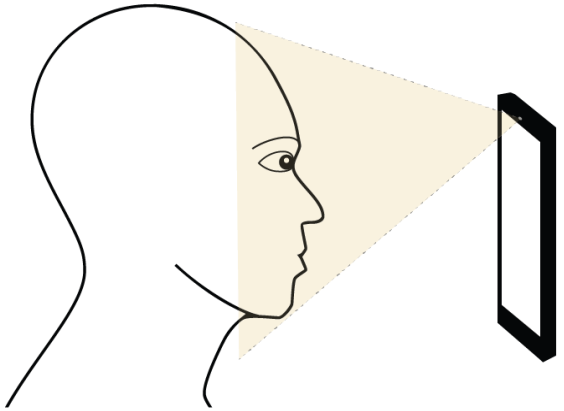
TRUST

Get adequate information

Avoid fraud and attacks

Cost-efficient





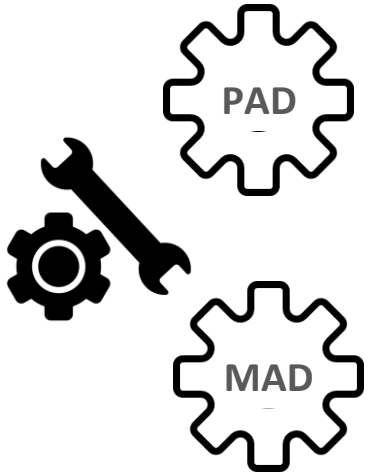


Figure: ibrandify, flaticon

Three must win battles
for a secure and efficient travel process

Strong attack detection in the travel workflow

Rethink the process of issuing passports

World-class usability and collaboration

Figure: pikisuperstar, flaticon

Three must win battles
for a secure and efficient travel process

Strong attack detection in the travel workflow

Rethink the process of issuing passports

World-class usability and collaboration

mobai

Multimodal
Biometric
Authentication

www.mobai.bio

[redacted]