

New Trends about Document Fraud at European level

ICBWG Seminar and Meeting

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FRONTEX Centre of Excellence for Combating Document Fraud

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PART I :

European Border and Coast Guard Agency (FRONTEX)

What is Frontex?

- It is an official **European institution** created in 2004 by the Reg. (EU) 2016/1624.
- The headquarter is located in Warsaw (POLAND). The Executive Director is **Fabrice LEGGERI** from 16 January 2015.
- It supports, coordinates and develops the Union external border security, ensuring efficient, high and uniform level of border control (**extra-Schengen border crossing**).
- It shares responsibility on the **European Integrated Border Management** with European Union member states.
- **684 staff members** from 28 different EU countries.



Frontex main tasks - Reg. (EU) 2016/1624



PART II :

The recent attacks of the new Schengen Visa

History:



First version of the Schengen visa issued for the first time in 1994.



Second version of the Schengen visa delivered from 2005.



Updated version of the Schengen
visa issued from 2010.

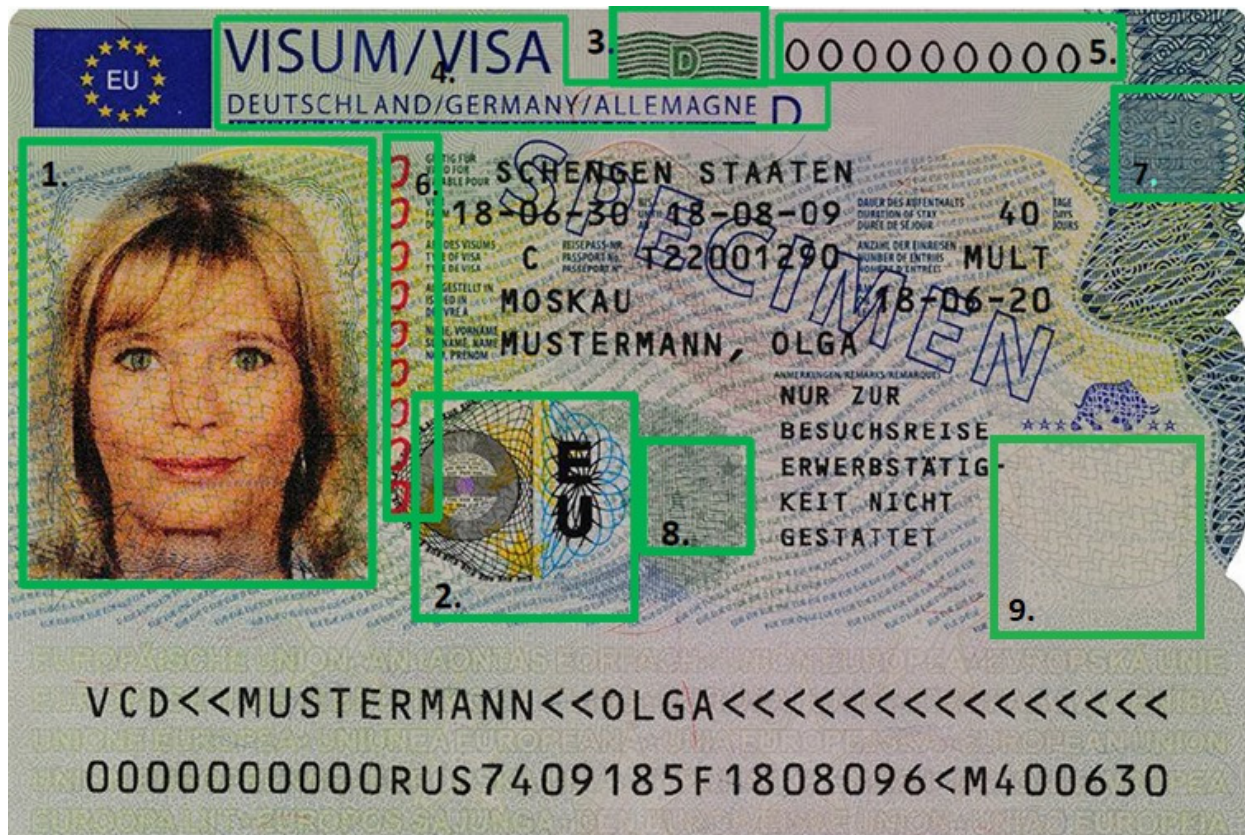


Last version of the Schengen visa delivered from July 2018. ■

New visa characteristics:

1. Presence of relief embossing to protect the picture.
2. Sophisticated OVD located in the middle of the visa.
3. Three-letter country code of the issuing country - Printed in a new design of optically variable ink (OVI).
4. Name of the issuing country in three different languages (national, English and French).
5. and 6. Two serial numbers printed in letterpress in different colours with a different typefont.
7. and 8. Two intaglio areas with two different latent images (letters EU and country code)
9. Box reserved for the possible addition of a common 2D barcode.

Other novelties: Pre-cutting, new design of the frame...

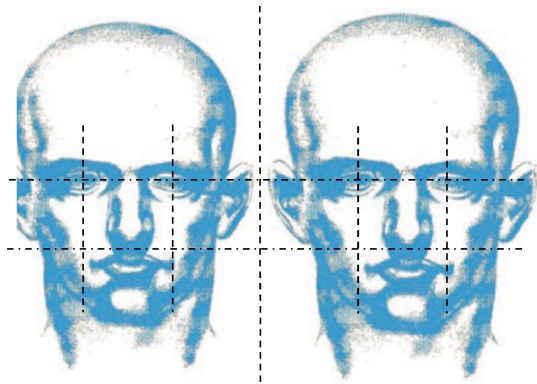


PART III :

The growing phenomenon of impostors

Situational picture 2018

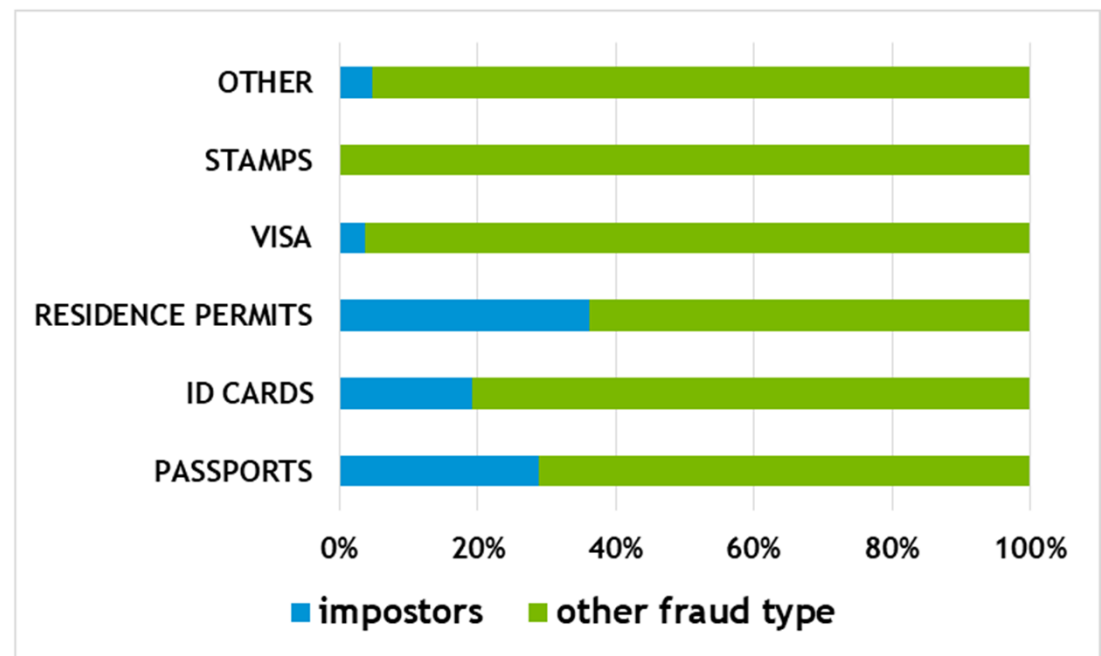
Impostors in 2018



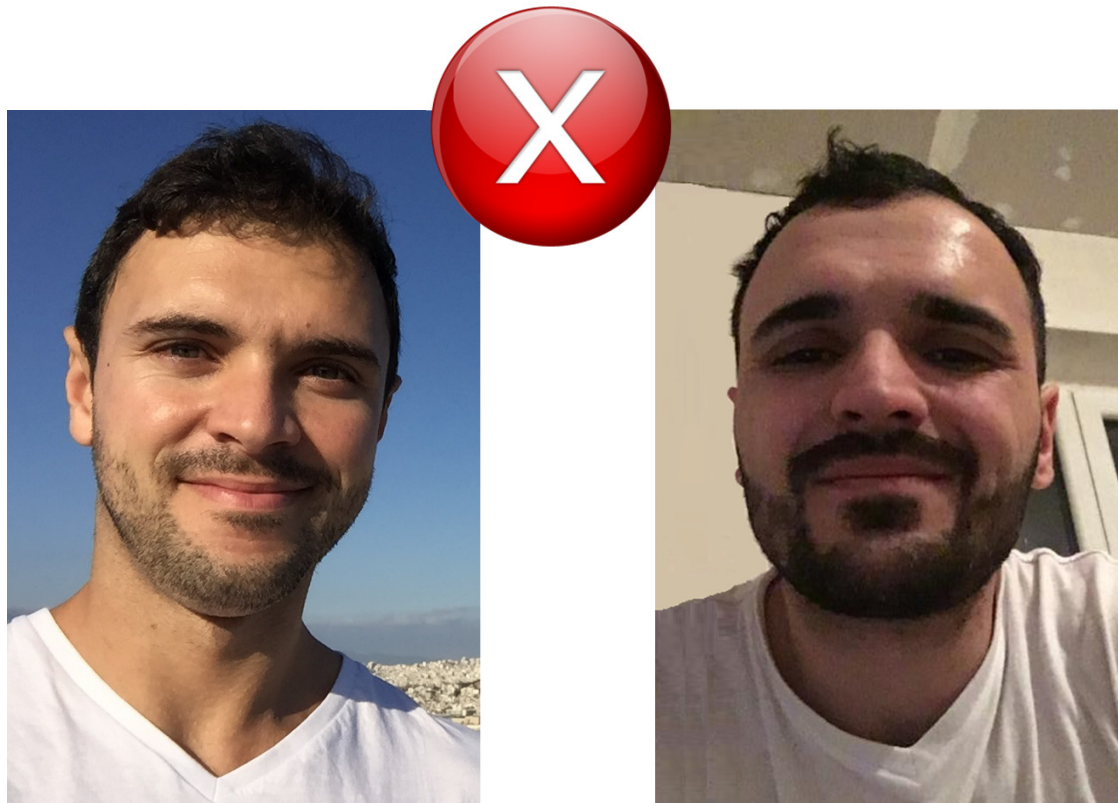
6 483

23% increase ↑

Type of documents used by impostors

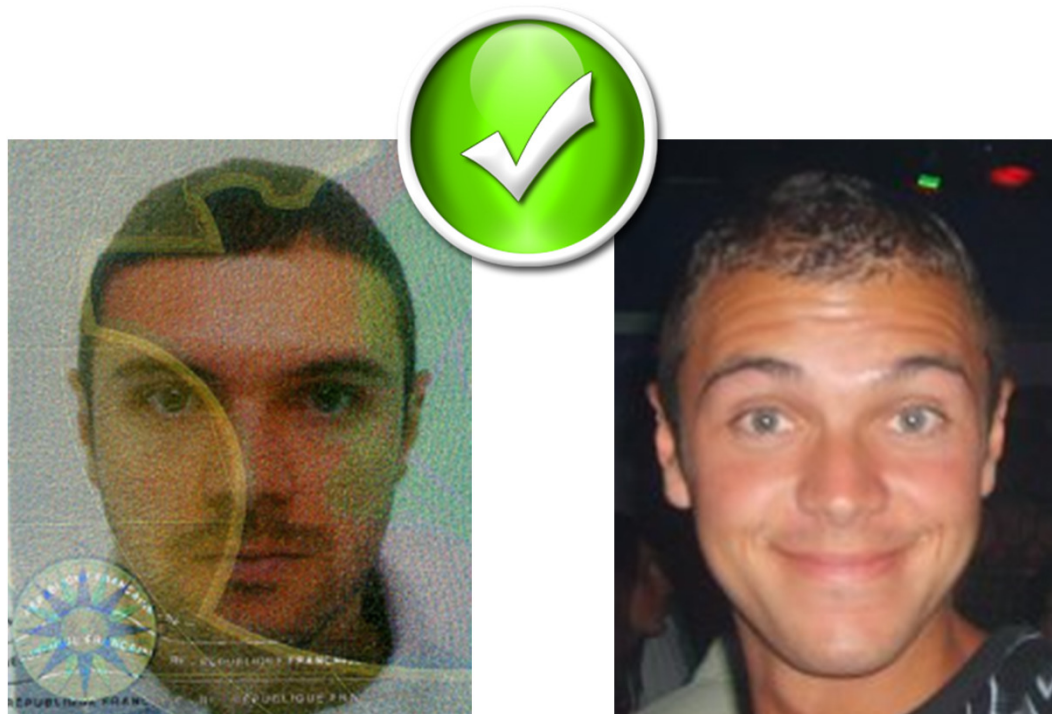


IMPOSTOR - CASE 1:



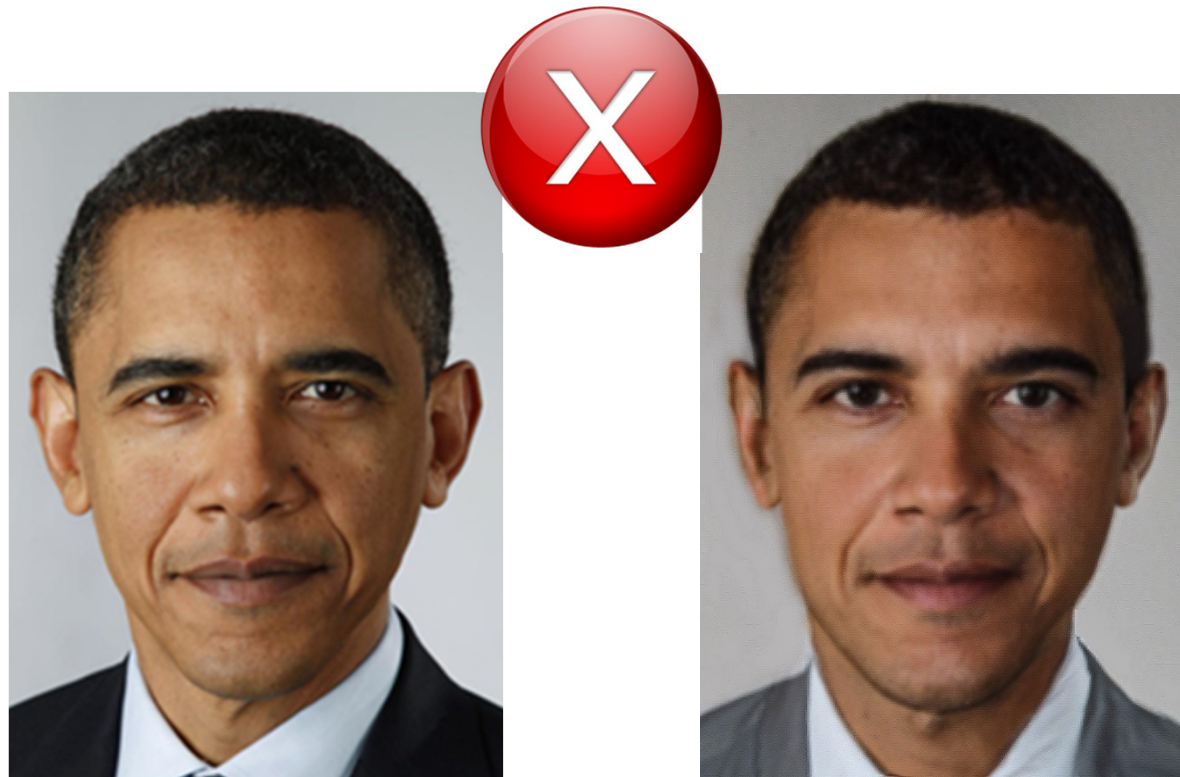
It is not the same person

IMPOSTOR - CASE 2:



It is the same person

IMPOSTOR - CASE 3:



It is not the same person

PART IV :

The technique of morphing

What is Image Morphing?

- Image processing technique used to compute a transformation from one image to another.
- Processing of face, iris, and fingerprint images are possible.
- Production of artificial biometric samples (i.e. morphed image) which resemble the biometric information of two or more individuals.



ORIGINAL PICTURE

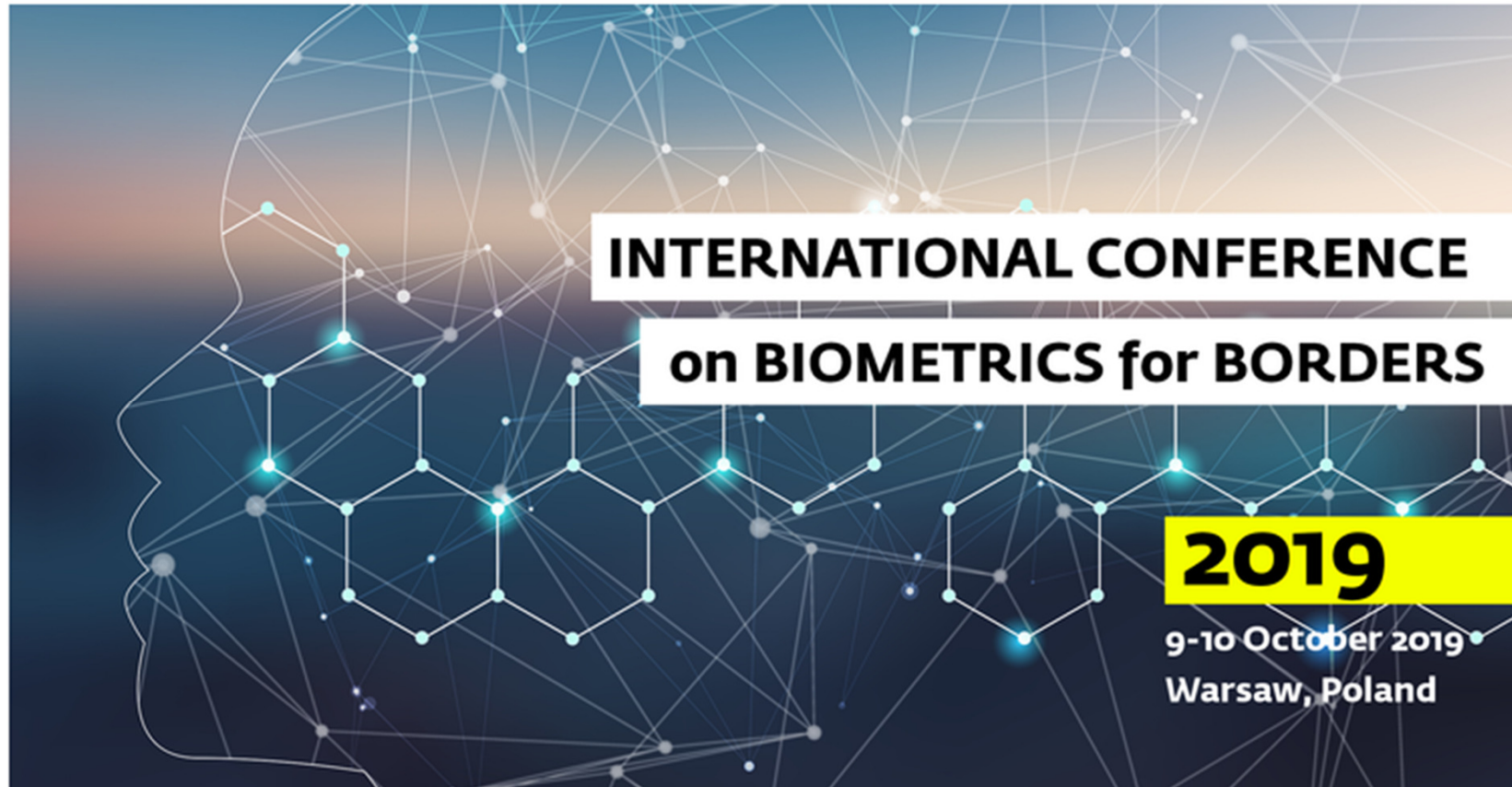


MORPHED IMAGE



ORIGINAL PICTURE

To go further:



Thank you for your attention and participation

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Sources:

- Frontex Reference Manual,
- FRONTEX Document Alerts Centre of Excellence for Combating Document Fraud,
- French National Alerts,
- Belgium National Alerts,
- Frontex RIU presentation,
- Frontex website.