

how to spend billions of dollars in new federal funding that can either be allocated to police or to alternatives like mental health care services.

You can make a difference by calling or emailing your mayor and council members today and asking them to prioritize alternatives to police.

*As our families, communities, and country reel from terrible daily tragedies, we must vow to change our culture and our policies and to stop this cycle of violence. We should be able to live in our homes, send our children to first grade, pray in our houses of worship, shop in our local malls, and walk through our streets and neighborhoods without being shot. Together we can take action in the memory of those who died and insist that this never happen again. Please take action and support changes like those outlined above to prevent gun violence.*

### **Список використаних джерел:**

1. Fernandez P. Things to Know about Combating Violence in America. [Електронний ресурс]. - <https://www.aclu.org/news/criminal-law-reform/10-things-to-know-about-combating-violence-in-america/>

2. Prevention Institute. [Електронний ресурс]. - <https://www.preventioninstitute.org/focus-areas/preventing-violence-and-reducing-injury/preventing-violence-advocacy>.

3. Santiago P. To fight crime, increase trust. [Електронний ресурс]. - - <https://blogs.iadb.org/ideas-matter/en/to-fight-crime-increase-trust/>

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## **MODERN METHODS OF FINGERPRINTS IDENTIFICATION**

Biometric recognition, or simply biometrics, is the science of establishing the identity of a person based on physical or behavioral attributes such as finger- print and other [1]. The fingerprint is one of the unique characteristics that every individual is having and it is widely used for recognition. Fingerprint systems that have been used for one to one matching are known as verification systems and that have been used for one to many matching are known as identification systems. Verification is used to authenticate the person to use a system and identification is used to know the identity of the person [2].

Fingerprint identification is one of the best forms of identification. It is common to see the advantages of fingerprint identification plastered around the internet, but hard to see the drawbacks. But still there are some disadvantages of fingerprint identification.

Firstly, visualizing latent prints. There are also problems with visualizing latent prints. This may depend on the type of material the fingerprint is on. For instance, if the fingerprint is found on a metal, such as the casing of a bullet, human salt and sweat could compromise or enhance the print or render a partial print.

Secondly, aging of fingerprints. There is a lot of speculation as to how long a fingerprint lasts. That too will depend on the material the print is on. The problem is the longer a fingerprint lasts, the more susceptible it is to external manipulations and also the more people would have opportunity to taint or contaminate the print.

Also, many criminals often wear gloves to avoid leaving fingerprints, which makes the crime investigation more difficult. Although the gloves act as a protective covering for the wearer's prints, the gloves themselves can leave prints that are just as unique as human fingerprints, thus betraying the wearer. Technically there is no law against a person altering or changing their fingerprints. However, other laws may be able to use an altered print as evidence for another crime. Fingerprints are hardy. In order to truly obliterate a fingerprint, every layer of skin must be removed. An article in the *Journal of Criminal Law and Criminology* from 1935 recommended at least one millimeter of skin must be removed in order to ensure ridges do not regenerate. An individual's fingerprints remain the same throughout his or her entire life. Minor cuts or abrasions, and some skin diseases such as eczema or psoriasis, may cause temporary disturbances to the fingerprints, but upon healing the fingerprints will return to their original pattern.

Very often investigators at the crime scene a number of problems. For example, the use of fingerprint powder without prior verification of the effectiveness of its work on this surface, resulting in the loss of the ability to detect handprints with other powders or other detection methods or use of fingerprint powder with expired shelf life or with improper storage conditions.

These shortcomings in working with traces of dactyloscopic origin are due to various reasons of objective and subjective nature: intensive and intense work at the scene, inadequate forensic support of law enforcement agencies, lack of staff, low level of qualification of inspectors -criminalists, negligence in the performance of official duties by responsible persons, etc. It is possible to solve these problems, but with the application of a

comprehensive national approach to improving the work of law enforcement agencies in general and increasing the level of training of forensic inspectors in particular, because it depends on them the quality of the collection of traces.

Problems with providing dactyloscopic information of inadequate quality concern both dactyloscopic maps and the quality of hands removed from my events. Poor quality of traces affects the time of their processing and reduces the search for search characteristics:

- incomplete rolling of the fingerprint;
- blurred prints (too strong / weak pressure on the paper surface, during the formation of insufficiently fixed paper, which leads to slipping of the sheet and indistinct display of prints on it);
- insufficient intensity (small amount of dye).

Taking into account and preventing such shortcomings when obtaining handprints will improve the quality of identification research of traces of dactyloscopic origin and strengthen the capabilities of automated identification systems.

#### **Список використаних джерел:**

1. Anil K. Jain, Arun A. Ross, Karthik Nandakumar. Introduction to Biometrics p.4 / [Електронний ресурс]. – Режим доступу: [https://www.researchgate.net/publication/3308596\\_An\\_Introduction\\_to\\_Biometric\\_Recognition](https://www.researchgate.net/publication/3308596_An_Introduction_to_Biometric_Recognition)
2. Anil K. Jain, Jijianjiang Feng, Karthik Nanda Kumar “Fingerprint Matching”, 0018-9162/10/\$26.00 © 2010 IEEE pp 36-44 / [Електронний ресурс]. – Режим доступу: <https://hal.archives-ouvertes.fr/tel-01456829/document>.

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### **SIGNIFICANCE AND FEATURES OF THE ACTIVITIES OF INTERPOL AND EUROPOL IN THE PROCESS OF COMBATING ORGANIZED CRIME OF GENERAL CRIMINAL ORIENTATION**

International cooperation in preventing and combating international crime is a specific activity of states and other participants in international relations in the field of crime prevention, combating all its manifestations and determining the procedure for dealing with persons who