

2019 OSCE Annual Police Experts Meeting
Artificial Intelligence and Law Enforcement:
An Ally or an Adversary?

23-24 September 2019, Vienna, Hofburg

CONCEPT PAPER

Background and rationale

Artificial Intelligence (AI) is gradually becoming one of the most important technologies of our time. Its possible applications seem almost incomprehensible and its implications for our everyday lives cause both optimistic predictions about future opportunities and serious concerns about potential risks. AI can be defined as the ability of computers to perform tasks commonly associated with intelligent beings. In particular, AI is frequently applied to the project of developing systems endowed with the intellectual processes characteristic of humans, such as the ability to reason, discover meaning, generalize, or learn from past experience. Simply put, AI is a computer program that enables machines to demonstrate human-like intelligence or behavior.

Most of the ideas behind current AI are not entirely new, with some dating from 1970s. But recent significant increases in computing power, a growing amount of data available from our rapidly digitalizing world and the development of advanced algorithms (such as machine learning algorithms) have opened up new possibilities in AI.

In their efforts to increase efficiency and effectiveness, and to keep up with technological innovations, law enforcement authorities and agencies across the world are increasingly exploring potentials of AI for their work. The increasing amount of data obtained and stored by the police has also called for more sophisticated methods and tools for data management and analysis, identification of patterns, prediction of risks, and development of strategies to allocate human and financial resources where they are most needed. Even though the use of AI in the work of law enforcement is a relatively new topic, some AI-based tools have been already trialed and are even actively in use by police services of several countries around the world. These include video and image analysis software, facial recognition systems, biometric identification, autonomous drones and other robots, and predictive analysis tools to forecast crime “hot spots” or even to identify potential future criminals, in particular high-risk offenders.

It is commonly agreed that AI techniques have great future potentials for law enforcement, both with regard to day-to-day policing and countering terrorism and transnational organized crime. At the same time, history teaches us that criminals and criminal organizations attempt to misuse new technologies to conduct or bolster their illegal activities. Indeed, they are often the first “entrepreneurs” in terms of applying new technologies. Therefore, law enforcement authorities and agencies have no other option than to familiarize themselves with the new developments, methods

and techniques available in this area. Furthermore, serious concerns have been raised over the use of AI algorithms for criminal justice purposes. These include discussions on potential biases in AI systems or in police data, which might result in skewed connections, patterns, and predictions. Considerations regarding the types of police interventions based on AI algorithmic calculations as well as issues related to legality, ethics and human rights compliance have also been flagged. All these developments underline the growing importance of this topic for the work of law enforcement across the globe. Only international co-operation of law enforcement organizations, authorities and agencies, can provide States with the means to be one step ahead of criminals and therefore have the capacity to efficiently counter malicious uses of AI technologies.

The implications of AI for law enforcement have been attracting growing by the United Nations and other international and regional organizations. The United Nations Interregional Crime and Justice Research Institute (UNICRI) launched its programme on artificial intelligence and robotics in 2015. In September 2017, UNICRI established the Centre for Artificial Intelligence and Robotics in The Hague, the Netherlands. Dedicated high-level side events on this topic were organized at both the 70th and the 71st Sessions of the UN General Assembly in 2015 and 2016. The Council of Europe has also been active in addressing AI and its implications for the criminal justice system, the rule of law and the compliance of AI technologies with human rights, including organizing a high-level conference in Helsinki in February 2019.

The OSCE as the world's largest regional security organization with its 57 participating States and 11 Partners for Co-operation, is well-positioned to contribute to this emerging, yet increasingly important, debate. The OSCE Strategic Framework for Police-Related Activities (PC.DEC/1049) adopted in July 2012 highlights the importance of promoting the co-operation, information sharing and the exchange of best practices between police services of the OSCE participating States. It also underlines the importance of taking evolution of transnational threats and the rapidly changing criminal phenomena into account in planning and organizing the OSCE's police-related activities. With its comprehensive approach to security, which includes wide-ranging principles and commitments covering the human, economic/environmental as well as the politico-military dimensions of security, the OSCE can provide a suitable platform for exploring opportunities and risks related to the use of AI technologies in the criminal justice system.

Objective and expected outcomes

The main objective of the 2019 OSCE Annual Police Experts Meeting (APEM) is to discuss potential implications of developments in AI for the work of law enforcement authorities and agencies. In particular, the conference will focus on answering the following questions:

- How do developments in AI impact the work and structure of police services across the OSCE area and what new changes to policing can these technologies bring in the foreseeable future?
- How can AI technologies be exploited for criminal purposes and what are the prospects of AI-related crime in the future?
- What are the main legal, ethical, human rights and gender-related concerns of the use of AI in the work of law enforcement?

- How can international organizations, and in particular the OSCE, foster co-operation and provide a platform for the exchanging best practices and lessons learned, when it comes to these new opportunities and challenges?

This year's meeting builds on the forward-looking topics presented and discussed during recent years' APEMs. The 2018 meeting introduced new and emerging crime threats and trends and how the police can prepare for the future. In 2017, the APEM focused on seizure and confiscation of criminal proceeds as the most effective way to counter serious crime. The 2016 APEM introduced and discussed intelligence-led policing as a modern approach to complement contemporary policing methods.

The main findings and outcomes of the meeting will be compiled in a report, which will serve as a basis for further discussions on its topics at the national, regional and international level, and as guidance for the OSCE when developing and providing capacity-building and technical assistance to the OSCE participating States and Partners for Co-operation.

Structure of the Meeting

The 2019 APEM is organized by the Slovak OSCE Chairmanship with the support of the OSCE Secretariat's Transnational Threats Department/Strategic Police Matters Unit. The Meeting will be a one-and-a-half day event, starting in the morning of 23 September and closing around noon on 24 September. The meeting is open to law enforcement experts and other criminal justice practitioners, OSCE Delegations, representatives of regional and international organizations, technical specialists, researchers as well as civil society representatives from the OSCE participating States and Partners for Co-operation.

After a formal opening and welcoming remarks, the meeting will be divided into three main sessions. The first session will introduce the concept of AI and the use of AI-related technologies in the work of law enforcement authorities and agencies. Experts will present examples of AI instruments that the police services have been experimenting with or are using in their work, and discuss their potential benefits, future opportunities as well as risks and challenges. The second session will explore how AI technologies can be expected to be misused for committing various forms of crime in the future, including cybercrime, economic and environmental crime, trafficking in drugs and other illicit commodities or human trafficking. The third and final session will be dedicated to key legal, ethical, human rights and gender-related concerns linked to application of AI-based technologies in the work of law enforcement authorities and agencies.

A side event will be organized during the lunch break on 23 September.

About the OSCE Annual Police Experts Meetings

The Annual Police Experts Meeting is the main OSCE police-related event each year. The meetings are organized in accordance with article 4 of the OSCE Ministerial Council Decision of 4 December 2001 (MC(9).DEC/9), which calls upon the OSCE to convene meetings of police experts from its participating States and representatives of relevant specialized international and regional organizations.

2019 OSCE ANNUAL POLICE EXPERTS MEETING

Artificial Intelligence and Law Enforcement: An Ally or an Adversary?

NEUER SAAL, HOFBURG, VIENNA

23 - 24 SEPTEMBER 2019

INDICATIVE AGENDA

DAY 1	
Monday, 23 September	
09.00-09.30	Registration and welcome coffee
09.30-10.00	Opening Remarks
<p>Session I - Artificial Intelligence in Law Enforcement</p> <p>This first session will introduce the concept of Artificial Intelligence (AI) and the use of AI-related technologies in the work of law enforcement authorities and agencies. Experts will present examples of AI instruments that the police services have been developing or have already put in practice, and discuss their potential benefits, future opportunities as well as some risks and challenges. Examples will also be presented of AI tools and measures that the social networking and private industries are applying and how those can contribute to law enforcement operations.</p>	
10.00-11.00	Three presentations followed by Q/A and panel discussions
11.00-11.30	Coffee break
11.30-12.30	Three presentations followed by Q/A and panel discussions
12.30-14.00	Lunch break
13.00-14.00	Side event in Bibliotekssal in the Hofburg

DAY 1 Continuation

Session II - Artificial Intelligence and Crime

The second session will continue discussing AI and law enforcement and furthermore explore how AI technologies are or can be expected to be misused by criminals for committing various forms of crime, including cybercrime, economic and environmental crime, trafficking in human beings, illicit drugs or other illegal commodities, hate crime and terrorism. Representatives from law enforcement, the private industry and academia will present and discuss AI possibilities in general; including those that could be exploited by criminals.

14.00-15.30	Four presentations followed by Q/A and panel discussions
-------------	--

15.30-16.00	Coffee break
-------------	--------------

16.00-17.00	Three presentations followed by Q/A and panel discussions
-------------	---

	Reception hosted by the Slovak 2019 OSCE Chairmanship
--	---

DAY 2 Tuesday, 24 September

Session III - Artificial Intelligence, ethics, human rights and gender issues

The third and final session will be dedicated to key legal, ethical, human rights and gender-related concerns linked to the application of AI-based technologies, especially in the work of law enforcement authorities and agencies. Experts will elaborate on some of the potential risks related the use of AI, as well as ethical questions and human rights concerns, including data protection issues. In addition, experts will share on matters of gender imbalance within the AI and the data science field, and its potential implications for reliability or biases of AI findings.

09.30-10.30	Three presentations followed by Q/A and panel discussions
-------------	---

10.30-11.00	Coffee break
-------------	--------------

11.00-12.00	Three presentations followed by Q/A and panel discussions
-------------	---

12.00-12.30	Outcomes and closing remarks
-------------	------------------------------

2019 OSCE Annual Police Experts Meeting (APEM)

“Artificial Intelligence and Law Enforcement: an Ally or an Adversary?”

Vienna, 23-24 September 2019

LOGISTICAL INFORMATION

1. Venue

The conference will take place in the “**Neuer Saal**” of the Hofburg Congress Centre, Heldenplatz, 1010 Vienna. OSCE Hofburg premises access map is available on the OSCE website: <https://www.osce.org/secretariat/20139>.

2. Media

OSCE Communication and Media Relations Section will provide appropriate media coverage by inviting and informing the press.

3. Registration (*only registered participants will be granted access to the venue*)

All participants are requested to **register online** through <https://events.osce.org/2019-aped/registration> or a link available on the Conference webpage in POLIS - <https://polis.osce.org/2019APEM> by **19 September 2019**.

OSCE online event registration system requires creating an account before registering to an event. Participants, who have already created an account in the OSCE online event registration system while registering for other event earlier this year (e.g: Drugs Conference, etc.), may use their account credentials to register for this and any other OSCE event in the future. One account can be used to register several participants, if necessary.

As registrations are subject to approval, participants must provide some personally identifiable information, including an e-mail address, when submitting an online registration request. Upon submitting the online registration, participants will see a message on the screen that their data has been successfully received. Upon approval of participation by the organizers, a separate email will be sent to the e-mail address indicated in the registration form.

After the registration, participants can access the online registration form and update some "non-mandatory" additional fields (i.e. date of arrival, accommodation, participation in the reception).

Badges may be picked up at the registration desk located in the temporary facility outside Hofburg, left hand side from the main entrance as of 8.30 on the conference days. A valid identification card with picture has to be presented in order to collect the OSCE badge.

Persons accredited to the OSCE in Vienna are not required to report to the registration/accreditation desk as they can access the conference venue using their regular OSCE badge.

4. Language

During the event, simultaneous English/Russian interpretation will be provided.

5. Technical equipment

In the Neuer Saal, Information and Communication Technology Services (ICT) staff will run presentations of the invited speakers from a booth in the back of the room. Presenters will be provided with a remote control to change slides. Presenters are requested to submit their presentations at least one week in advance to Mr. Arnar Jensson or Ms. Jenni Dimitrova (contact details below at p.11). It is also possible to use online presentations, such as Prezi, etc.

Please note that since Apple has stopped supporting QuickTime on Windows Operating System platform, there is a security risk to have this software installed on OSCE devices. Therefore, ICT has started the de-installation of QuickTime on OSCE devices. As a result, MP4 videos embedded into PowerPoint slides cannot be played any longer.

Please note that presenters wishing to test audio/visual equipment may do so one hour prior to each session on all days of the conference. Contributions from the floor cannot be supported with audiovisual equipment.

6. Visa

Participants, if required under the Austrian law, are asked to make their own arrangements for securing a visa for entering Austria.

Please be aware that it might take 14 days to get the requested Schengen visa. Therefore applicants are strongly advised to apply for visa well in advance.

Please note that it is NOT possible to have your visa issued at the Vienna International Airport upon arrival. Participants must be in possession of the appropriate identity documents for travel to Austria and medical insurance for the full duration of the intended stay.

Further details can be found on the Austrian MFA website www.bmeia.gv.at.

In case OSCE's assistance for your visa application is needed, please indicate it during the online registration process.

7. Travel Arrangements and airport transportation

Unless previously agreed with the organizers for sponsorship, participants are kindly requested to make their own travel arrangements, which will not be covered for by the OSCE.

Reaching Vienna Centre from the Airport:

Information on the transfers Vienna Airport – Vienna City can be found on the following website: www.viennaairport.com.

Taxis:

Taxis can be found in front of the arrival building of the airport. The fare depends on the destination in Vienna and is approx. € 40.00-50.00.

A pick-up at the airport can be booked in advance at a more moderate price from the companies:

- Vienna Airport Taxi Service (Tel: +43 1 9974105, webpage www.vienna-airport-taxi-service.at/airport-taxi-vienna.html - price: 30 EUR one way)
- Airport Drivers (Tel: +43 1 22 82 250), webpage www.airportdriver.at/en – price: 33 EUR one way

Trains:

a) City Airport Train (CAT) – to Vienna "Wien-Mitte" – Landstraße/Hauptstraße with access to the Underground (U-Bahn Line 3 and 4) and taxis: www.cityairporttrain.com

Price: €11 one way; €19 return, if purchased online.

Price: €12 one way; €21 return, if purchased from a ticket machine.

Schedule: every ½ hours: Airport-Vienna 9/39 min. after every full hour;

Vienna-Airport 7/37 min. after every full hour. Trip: 16 min. non-stop.

OR

b) Schnellbahn (S7) – to Vienna “Wien-Mitte-Landstraße/Hauptstraße” with direct access to the Underground (U-Bahn Line 3 and 4) and taxis.

<http://www.schnellbahn-wien.at/netz/s7.htm>

Price: €4.80 one way.

Bus Services Vienna Airport Lines (2 lines)

Price €8 one way; €13 return,

Buses go either to Morzinplatz/Schwedenplatz (U-1 and U-4), to Donauzentrum (U-1) or to Wien Westbahnhof via Hauptbahnhof (S-Bahn, U-3 and U-6).

Schedule: Airport-Vienna/Schwedenplatz: every 45/15 min. after full hour;

Schwedenplatz- Airport: every 00/30 min. after full hour

Trip: 20 min. one way

www.postbus.at

To get around in Vienna

For taxi service within Vienna, please call +43 1 31300 or +43 1 40100

Public transportation information is available at:

<http://www.wienerlinien.at/wl/ep/home.do?tabId=0>

8. Accommodation:

Unless previously agreed with the organizers for sponsorship, participants are kindly requested to make their own hotel arrangements, which will not be paid for by the OSCE. For your convenience, a list of hotels in Vienna is attached (Annex 1).

9. Social event:

A cocktail reception for all participants, hosted by the 2019 OSCE Slovak Chairmanship, will take place on 23 September 2019 (venue and time tbc).

11. Points of Contact:

Substantial and Logistical issues:

Mr. Arnar Jensson

Police Affairs Office/Adviser on Reporting and Analysis,
TNTD/SPMU

Office: +43 1 514 36 6691

Mobile: +43 676 386 07 19

E-mail: arnar.jensson@osce.org

Mr. Michal Vanco

Third Secretary, Head of Unit

Office: +43 1 368 94 33 302

Mobile: +43 676 745 00 26

E-mail: michal.vanco@mzv.sk

Logistics/Administration:

Ms. Jeni Dimitrova

Office: +43 1 514 36 6941

Mobile: +43 664 884 74 872

E-mail: jeni.dimitrova@osce.org

Visa Support

Ms. Elke Lidarik

Office: +43 1 514 36 6392

E-Mail: elke.lidarik@osce.org

SUGGESTED HOTELS & GUESTHOUSES IN VIENNA

<i>Name</i>	<i>Address and contact details</i>
Hotel Bristol	Kärntner Ring 1, 1010 Vienna Tel: +43-1-515160 Fax: +43-1-51516-550 www.westin.com/bristol , reservations.bristolvienna@westin.com
Hotel Marriott	Parkring 12a, 1010 Vienna Tel: +43-1-515 18-53 Fax: +43-1-515 18 6736 Res.code: OSXC, Pref. number: 036545 vienna.marriott.info@marriotthotels.com
K+K Hotel Maria Theresia	Kirchberggasse 6, 1070 Vienna Tel: +43-1-521 23 135 ; Fax: +43-1-521 23 70 www.kkhotels.com , kk.maria.theresia@kuk.at
K+K Palais Hotel****	Rudolfsplatz 11, 1010 Vienna Tel: +43-1-533 13 53 ; Fax: +43-1-533 13 53-70 www.kkhotels.com , kk.palais.hotel@kuk.at
Hotel am Parkring	Parkring 12, 1010 Vienna Tel: +43-1-514800 ; Fax: +43-1-5148040 www.schickhotels.com/pages/parkring/start_parkring_hotel_e.html
Hotel Mercure Wien Zentrum****	Fleischmarkt 1, 1010 Vienna Tel: +43-1-534 600 ; Fax: +43-1-534 60 232 www.accorhotels.com/mercure_wien_zentrum.htm H0781@accor.com
Hotel Mailbergerhof****	Annagasse 7, 1010 Vienna Tel: +43-1-512 06 41 ; Fax: +43-1-512 06 41 10 www.mailbergerhof.at , reception@mailbergerhof.at
Hotel Intercontinental	Johannesgasse 28, 1037 Vienna Tel: 43-1-711 220 Fax: +43-1-713 44 89 / 711 22 62 vienna@interconti.com
Hotel Wandl***	Petersplatz 9, 1010 Vienna Tel: +43-1-534 550 ; Fax: +43-1-534 55 77 www.hotel-wandl.com , reservation@hotel-wandl.com
Hotel Post***	Fleischmarkt 24, 1010 Vienna Tel: +43-1-515 83 0 ; Fax: +43-1-515 83 808 www.hotel-post-wien.at
Hotel CAPRICORNO Wien	www.schick-hotels.com capricorno@schick-hotels.com
Hotel STEFANIE Wien	www.schick-hotels.com sabine.pollak@schick-hotels.com
Starlight Suite Hotel	Am Salzgries 12, 1010 Vienna Tel: +43-1-535 92 22 Fax: +43-1-535 92 22-11 www.starlighthotels.com , reservations@starlighthotels.com
Hotel Kärntnerhof***	Grashofgasse 4, 1011 Vienna Tel: +43-1-512 19 23 Fax: +43-1-513 22 28/33 www.karntnerhof.com , karntnerhof@netway.at

Hotel Schweizerhof	Bauernmarkt 22, 1010 Vienna Tel: +43-1-533 19 31/32 Fax: +43-1-533 02 14 www.schweizerhof.at , office@schweizerhof.at
Suite Hotel	Mariahilfer Straße 32-34, 1070 Vienna Tel: +43-1-521 72-0 Fax: +43-1-521 72-15
NH Wien	Mariahilfer Strasse 32-34, 1070 Vienna Tel: +43 1 52172 165 Fax: +43 1 52172 15 www.nh-hotels.com
Cordial Apartments	Köstlergasse 5, A- 1060 Wien Tel.: +43(0)1 587 43 72 Email: office@cordial-vienna.at , www.cordial-appartements.at
Pension (Guesthouse) Pertschy****	Habsburgergasse 5, 1010 Vienna Tel: +43-1-534 49 0 Fax: +43-1-534 49 49 http://www.pertschy.com , pertschy@pertschy.com
Hotel Congress***	Wiedner Gürtel 34, 1040 Vienna Tel: +43-1-505 55 060
K & T Boardinghouse (Modest)	Mariahilfer Str. 72/18, 1070 Vienna http://www.kaled.at/ Tel: +43-1-523 29 89
Hotel-Pension Haydn	Mariahilfer Strasse 57-59, 1060 Vienna Tel: +43-1-587 4414-0 Fax: +43-1-586 1950 Email: info@haydn-hotel.at , http://www.haydn-hotel.at
Pension Nossek	Graben 17, 1010 Vienna Tel: +43-1-533 70 41 Fax: +43-1-535 36 46 www.pension-nossek.at , reservation@pension-nossek.at
Pension-Guesthouse Suzanne***	Bei der Oper, Walfischgasse 4, 1010 Vienna Tel: +43-1-513 25 07 Fax: +43-1-513 25 00 www.pension-suzanne.at , info@pension-suzanne.at
Atel Pension/Guesthouse Attachee****	Wiedner Hauptstrasse 71, 1040 Vienna Tel: +43-1-505 18 17
Hotel Papageno	Wiedner Hauptstraße 23-25, 1040 Vienna Tel: +43-1-504 67 44 Fax: +43-1-504 67 44 22 www.hotelpapageno.at , reservation@hotelpapageno.at