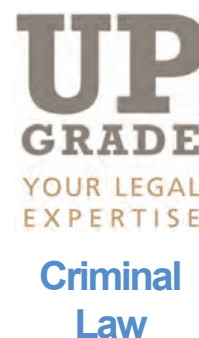




## ARTIFICIAL INTELLIGENCE IN CRIMINAL JUSTICE AND LAW ENFORCEMENT

THE (MIS)USE OF AI AND MACHINE-LEARNING IN  
CRIMINAL PROCEEDINGS

Online Seminar, 16-18 June 2021  
Morning sessions



### Speakers and Chairs

**Philipp Amann**, Head of Strategy, European Cybercrime Centre (EC3), Europol, The Hague

**Wojciech Bagiński**, Lawyer, Chairman of the International Relations Committee, Warsaw Bar Association, Warsaw

**Clementina Barbaro**, Co-Secretary of the Ad Hoc Committee on Artificial Intelligence, Council of Europe, Strasbourg

**Laviero Buono**, Head of Section, European Criminal Law, ERA, Trier

**Bart Custers**, Professor, Head of Research, eLaw – Center for Law and Digital Technologies, Faculty of Law, Leiden University

**Sabine Gless**, Professor of Criminal Law, Faculty of Law, University of Basel

**Dick Heimans**, Deputy Head of Unit, General Criminal Law, DG Justice, European Commission, Brussels

**Jan Kerkhofs**, Federal Magistrate, Section Organized Crime – Cyber Unit, Federal Prosecutor's Office, Brussels; Member of the European Judicial Cybercrime Network, The Hague

**Melvin van Kuilenburg**, Judge, District Court of Rotterdam

**Martyna Kusak**, Adjunct Professor, Criminal Procedure, Adam Mickiewicz University, Poznań; Post-Doc Researcher, Institute for International Research on Criminal Policy, Ghent University

**Mikołaj Pietrzak**, Lawyer, Dean of the Warsaw Bar Association, Warsaw

**Rafet Sifa**, Head of Cognitive Business Optimization, Department of Media Engineering; Data Scientist and PhD Fellow, Fraunhofer Institute for Intelligent Analysis and Information Systems, Cologne

**Katarzyna Szczudlik**, Lawyer, Partner at SSW Pragmatic Solutions, Warsaw

**Krzysztof Wojdyło**, Lawyer, Partner, New Technologies Practice, Wardyński & Partners, Warsaw

### Key topics

- AI and its implications for the criminal justice system
- Using AI in criminal proceedings
- AI to predict crimes
- Facial recognition technology in policing
- The use of AI in fraud cases

**Language**  
English

**Event number**  
321D67e

**Organisers**  
ERA (Laviero Buono) in cooperation  
with the Warsaw Bar Association



With the support of the Erasmus+  
programme of the European Union

# Artificial Intelligence (AI) in Criminal Justice and Law Enforcement

## Wednesday, 16 June 2021

09:00 Connecting to the videoconference platform and getting familiar with it

09:30 **Welcome and introduction**  
*Mikołaj Pietrzak & Laviero Buono*

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### I. ARTIFICIAL INTELLIGENCE AND ITS IMPLICATIONS FOR THE CRIMINAL JUSTICE SYSTEM

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*Chair: Laviero Buono*

09:45 **Introduction to the use of artificial intelligence in criminal justice and law enforcement**  
*Bart Custers*

10:15 Discussion

10:30 **Putting forward a European approach to artificial intelligence and robotics: work carried out by the European Commission**  
*Dick Heimans*

11:00 Discussion

11:15 Break

11:45 **Malicious uses and abuses of artificial intelligence: will “AI-for-Crime-as-service” be the new normal?**  
*Philipp Amann*

12:15 Discussion

12:30 **AI in criminal intelligence: how effective can a predictive machine-learning approach be?**  
*Rosamunde Van Brakel*

13:00 Discussion

13:15 End of first morning

## Thursday, 17 June 2021

09:15 Connecting to the videoconference platform and getting familiar with it

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### II. USING ARTIFICIAL INTELLIGENCE IN CRIMINAL PROCEEDINGS

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*Chair: Laviero Buono*

09:30 **Artificial intelligence in the courtroom: a comparative analysis of machine evidence in criminal trials**  
*Sabine Gless*

10:00 Discussion

10:15 **Procedural challenges posed by AI and machine evidence in criminal justice systems: a view from the prosecutor**  
*Jan Kerkhofs*

10:45 Discussion

11:00 Break

11:30 **AI and the adjudication of criminal cases: can you reason with a computer?**  
*Melvin van Kuilenburg*

## Objective

The rapid progress of artificial intelligence (AI) and machine-learning raises key questions regarding benefits (video analytics for integrated facial recognition, predictive policing data, algorithms to prevent victims and potential offenders from falling into criminal pursuits) and risks (deepfake, accountability for semi-automated decisions) for the criminal justice system.

After explaining the technical aspects of AI and its implications for privacy-preserving big data technologies, this online conference will focus on how AI could be used in criminal proceedings, enabling the shift from a traditionally reactionary approach to crime-fighting to one that is more proactive and preventative in character. It will discuss possible solutions for remedying the risks posed by AI and robotics in the criminal justice domain.

## Who should attend?

Defence lawyers, in-house counsel, judges, prosecutors, law enforcement authorities, civil servants and policymakers active in the field of criminal law.

## Interactive online seminar

The online seminar will be hosted on ERA's own online platform. You will be able to interact immediately and directly with our top-level speakers and other participants. We will make the most of the technical tools available to deliver an intensive, interactive experience. As the platform is hosted on our own server, the highest security settings will be applied to ensure that you can participate safely in this high-quality online conference.

## Your contact persons



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Daniela Biewen  
Assistant  
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- 12:00 Discussion
- 12:15 **Should artificial intelligence systems be used in life-changing situations such as criminal sentencing?**  
*Katarzyna Szczudlik*
- 12:45 Discussion
- 13:00 End of second morning

## Friday, 18 June 2021

- 09:15 Connecting to the videoconference platform

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### III. USE OF ARTIFICIAL INTELLIGENCE AND MACHINE-LEARNING IN CONCRETE CRIMINAL JUSTICE CASES

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*Chair: Wojciech Bagiński*

- 09:30 **AI-driven fraud-profiling using machine-learning and natural language-processing: towards recommender tools**  
*Rafet Sifa*
- 10:00 Discussion
- 10:15 **Big Data and the quality of datasets used for the development of AI-based tools for law enforcement in criminal justice systems**  
*Martyna Kusak*
- 10:45 Discussion
- 11:00 Break

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### IV. ARTIFICIAL INTELLIGENCE AND THE INTERSECTION BETWEEN ETHICS AND PRIVACY

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- 11:30 **Ethics as an essential element in developing computer systems able to simulate human-like intelligence**  
*Krzysztof Wojdyło*
- 12:00 Discussion
- 12:15 **Artificial intelligence: opportunities, risks and recommendations for the criminal justice sector**  
*Clementina Barbaro*
- 12:45 Discussion
- 13:00 End of seminar

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For programme updates: [www.era.int](http://www.era.int)  
Programme may be subject to amendment.



Times indicated are CEST  
(Central European  
Summer Time)

## CPD

The Academy of European Law's conferences and seminars meet the standard requirements for Continuing Professional Development (CPD) recognition. Participation in this event corresponds to **9.5 CPD hours**.

## What participants liked in 2020

"The high level of the lectures"  
"Excellent seminar on AI which put together research and practice"  
"I appreciated the variety of speakers and of topics"  
"It was a great seminar, full of interesting news on AI"  
"Good range of speakers with different perspectives on the topic"  
"The online platform used"  
"I think the online aspect worked really well"

## Save the date

### Anti-Money Laundering for the Judiciary and Law Enforcement

Online, 28-30 April 2021

### Data Protection and the Law Enforcement Directive

Online, 19-21 May 2021

### Summer Course on European Criminal Justice

Online, 21-25 June 2021

### Annual Conference on EU Criminal Justice 2021

Dublin, 11-12 November 2021

## ERA e-Learning courses

### The Case Law of the CJEU for Criminal Law Practitioners: 10 Key Questions

*Specialised e-learning course*

This e-learning course answers 10 key questions on the general principles of EU law as applied by the CJEU to criminal justice and its interpretation of concepts of substantive and procedural criminal law.

### The European Arrest Warrant: 10 Key Questions for Defence Counsel

*Specialised e-learning course*

This e-learning course answers 10 key questions on the role of the defence lawyer in European Arrest Warrant (EAW) proceedings.

Each answer provides the reader with a structured overview of the topic as well as detailed information regarding relevant instruments and cases.

[www.era.int/elearning](http://www.era.int/elearning)

# Online seminar

## Artificial Intelligence (AI) in Criminal Justice and Law Enforcement



### Registration

Fax: +49 (0) 651 93737-773

E-mail: [info@era.int](mailto:info@era.int)

Online registration:  
[www.era.int/?130311&en](http://www.era.int/?130311&en)

Postal address:

ERA  
Postfach 1640  
D-54206 Trier

Language

English

Contact Person

Daniela Biewen

E-Mail: [Dbiewen@era.int](mailto:Dbiewen@era.int)

I would like to register for the ERA event mentioned above.

Please update my address (see below)  My address (above) is correct  Please delete my address

**PLEASE USE BLOCK CAPITALS:**

Title	<input type="checkbox"/> Ms	<input type="checkbox"/> Mr	Other	<input type="text"/>
First Name	<input type="text"/>			
Surname	<input type="text"/>			
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Department	<input type="text"/>			
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Street	<input type="text"/>			
Postcode/City	<input type="text"/>	Country	<input type="text"/>	

### Registration fee

Fee	Standard	EU & ERA patrons*	Young lawyers & other groups**
Registration by 17/05/2021	€ 621.00 <input type="checkbox"/>	€ 465,75 <input type="checkbox"/>	€ 465,75 <input type="checkbox"/>
Registration after 17/05/2021	€ 690.00 <input type="checkbox"/>	€ 517,50 <input type="checkbox"/>	€ 517,50 <input type="checkbox"/>

\* EU and ERA Patrons

- Staff of European Union institutions and agencies;
- Staff of ERA's patrons: all EU Member States (Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden), United Kingdom, the German states, Scotland and the City of Trier
- Fellows of the European Law Institute

\*\* Young lawyers & other groups

- For young lawyers up to 30 years of age (important: the participant must provide a copy or details of his or her passport or identity card on registration);
- Full-time staff of universities or comparable academic institutions;
- Staff of charitable organisations or comparable institutions
- Registration of three or more employees from the same organisation

### Method of payment

Credit card For registration with credit card payment please go to our website [www.era.int/?130311&en](http://www.era.int/?130311&en)

Bank transfer

I will transfer the registration fee to ERA's account at Deutsche Bundesbank Saarbrücken:

IBAN: DE145900 00 00 00 58501900 – BIC: MARKDEF1590

**Different billing address:**

**Important! Please state your name and the event number on the bank transfer.**

I confirm my registration and accept the general terms and conditions: [www.era.int/legalnotice](http://www.era.int/legalnotice)

Place, Date

Signature