

AI-BASED CRIME INVESTIGATION: A GAME CHANGER TO PRIVACY?

March 6th and 7th 2025:
Saarland University

May 15th and 16th 2025:
Strasbourg University



This conference seeks to gather perspectives from stakeholders involved in AI-based crime investigation and study them through the prism of data protection. Crime investigations practitioners, researchers in IT, Data protection law, AI law and criminal law are brought together

• Scientific committee

Yamina BOUADI, LL.M., Saarland and Strasbourg Universities
Maria GAHN, LL.M., Saarland University

• Scientific advisors

Dominik BRODOWSKI, LL.M. (UPenn), Professor at Saarland University
Juliette LELIEUR, Professor at Strasbourg University

Information, programme and registration:
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Part I – AI-based crime investigations and privacy: a general perspective

March 6th 2025, Saarland University

Building B4 1, room 0.27

Universität Campus, 66123 Saarbrücken

10:00 **Arrival of the speakers and participants**

Welcoming coffee

10:30 **Start of the day**

Welcoming words

Prof. Dominik Brodowski, Vice-president for international affairs at Saarland University.

Introductory words

Yamina Bouadi and Maria Gahn, co-organisers of the conference.

10:40 **Keynote and discussions**

Christoph Sorge, Professor at Saarland University.

Discussions

Panel 1 – Regulation challenges of AI consequences on privacy

Chair: Christoph Sorge, Professor at Saarland University

11:15 **AI used in Law enforcement: what consequences on human rights, more specifically data protection?**

Kamel El Hilali, AI and the Rule of Law, UNESCO.

11:35 **AI against crime: a challenge of regulation?**

General Patrick Perrot, Coordinator for Artificial Intelligence - AI Advisor to the Comcyber of the French Home Ministry.

Discussions

12h30 *Lunch break*

Panel 2 – AI in criminal proceedings: opportunity or risk?
Chair: Janine Blocher, Doctoral researcher at Konstanz University

14h00 AI-based forensics in the AI-act: a mismatch for fair trial rights?
Johan van Banning, Doctoral researcher at Amsterdam University.

14h20 No Shame in Front of the Robot: a comparative human-AI impact assessment
Charlotte Quaisser, Doctoral researcher at Luxembourg University.

Discussions

Panel 3 – Shortening the rights of the accused through the use of AI
Chair: Juliette Lelieur, Professor at the University of Strasbourg

15h00 Reconstruction of a crime scene with virtual reality: challenges of data protection
Maria Gahn, Doctoral researcher at Saarland University.

15h20 The use of AI-based translator in criminal proceedings' evidence nature and its impact on data protection
Philipp Lehnertz, Doctoral researcher at Saarland University.

Discussions

16h15 Coffee break

Panel 4 – Detecting sexual offences via AI

Chair: Yamina Bouadi, Doctoral researcher at Saarland and Strasbourg Universities

16h30 **Chat control and data protection**

Christoph Zoller, Doctoral researcher at Saarland University.

16h50 **The use of CSAM for criminal prosecution**

Martin Reiter, German Public Prosecutor Office Saarbrücken.

Discussions

17h30 *End of the conference*

March 7th 2025, University of Saarland
Building B4 1, room 0.27
Universität Campus, 66123 Saarbrücken

9h15 Start of the day

9h30 Keynote and discussions
Dominik Brodowski, Professor at Saarland University.

10h30 Break and walk to the DFKI (German Research Center for AI)

11h00 Visit of the DFKI

Panel 5 – Use of and research on AI – a look beyond the horizon
DFKI

- Introduction to the work of the DFKI

Presentation of 3 current DFKI projects :

- Jan Alexanderson – “MePheSTO”
- Dimitra Tsovaltzi – “MITHOS”
- Maurice Rekrut – “Silent Speech”

Panel 6 – Use of and research on AI – a look beyond the horizon
DFKI

11h50 Anomaly detection in the financial sector
Peter Fettke, Professor of Business Informatics at Saarland University, DFKI.

12h10 (online) AI-based money laundering investigations vs. Privacy
Théo Antunes, Doctoral researcher at Luxembourg and Strasbourg Universities.

Discussions

12h30 Lunch Break

Panel 7 – Recognition via video

Chair: Dominik Brodoswki, Professor at the University of Saarland

14h00 **Privacy issues on automated license plate recognition: a comparative study** (France, US, Canada)

Amélie Turci, Doctoral researcher at Ottawa and Rennes Universities.

14h20 **IT point of view on image recognition**

(To be confirmed)

Discussions

15h30 **Concluding remarks**

End of Part I of the conference

POLICE LINE DO NOT CROSS POLICE LINE DO NOT CROSS

Part II: AI-Based digital forensics and investigations of cybercrime

May 15th 2025

University of Strasbourg

Room "Alex Weill" (5th floor)

Law Faculty / Faculté de droit, gestion et science politique

1 place d'Athènes

F-67045 Strasbourg Cedex

10h00 **Arrival of the participants**

Welcoming coffee

10h15 **Opening words**

- Prof. Jeanne-Marie Truffery-Andrieu, Dean of the Law Faculty of Strasbourg.
- Prof. Mélanie Schmitt, Directrice of UMR DRES 7354.

10h30 **Introductory words**

Yamina Bouadi and Maria Gahn, co-organisers of the conference.

10h40 **Keynote speech: How is implemented the concept of "privacy by design" in Machine Learning?**

Ihsen Alouani, Associate Professor at Belfast University's School of Electronics, Electrical Engineering and Computer Science.

Panel 1: Who runs the online world? Data Miners and Web Crawlers!

Chair: Juliette Lelieur, Professor at the University of Strasbourg

11h10 **The 'algorithmic identity' in the spotlight of law enforcement**

authorities. *Analysing expectations regarding the secrecy of online communication*

Janine Blocher, Doctoral researcher at Konstanz University.

11h30 **Leveraging AI-powered Web Crawlers for Criminal Investigations: Revolutionizing Law Enforcement, Questioning Data Protection**

Andreas Kanakakis, Doctoral researcher at the Luxembourg and Brussels Universities.

Discussions

12h15 *Lunch break*

Panel 2: Criminal investigations based on public spaces surveillance: biometric data included

Chair: Dominik Brodowski, Professor at the University of Saarbrücken

14h00 The political and legal implications of Algorithmic video surveillance for police work

Félix Tréguer, Associate Researcher at CNRS Center for Internet & Society, Member of La Quadrature du Net.

14h20 The implementation of privacy in Machine Learning through federated learning, homomorphic encryption

Thomas Lampert, Professor in Computer Science and AI at Strasbourg University.

Discussions

Coffee break

Panel 3: Criminal investigations based on public spaces surveillance: biometric data excluded

Chair: (to be confirmed)

15h20 Application of European law to the French algorithmic video protection experiment – Its apprehension in national public law

Raphael Déchaux, Public law lecturer at Lorraine University (Metz).

15h40 Application of European law to the French algorithmic video protection experiment – Its apprehension in national criminal proceedings

Yamina Bouadi, Doctoral researcher at Saarland and Strasbourg Universities.

Discussions

16h30 *Closing remarks for the day*

May 16th 2025

University of Strasbourg
Amphitéâtre du Collège Doctoral Européen
46 Boulevard de la Victoire
F-67000 Strasbourg

9h00 Arrival of participants

Welcoming coffee

*Place: Indoor garden of Collège Doctoral Européen (1st floor)
46 Boulevard de la Victoire, 67000 Strasbourg*

9h30 Start of the conference

*Place: Amphithéâtre du Collège Doctoral Européen (ground floor)
46 Boulevard de la Victoire, 67000 Strasbourg*

Welcoming words by Maria and Yamina

Panel 4: AI-based online digital evidence gathering: obligations for law enforcement authorities, platforms and legal entities

Chair: Maria Gahn, Doctoral researcher at the University of Saarland

9h40 On the Legal Limits and Criminal Procedural Implications of Applying Artificial Intelligence in Corporate Internal Investigations

Túlio Felipe Xavier Januário, Doctoral researcher at Coimbra University.

10h00 Detecting human trafficking for sexual exploitation online: AI-related obligations for law enforcement authorities and platforms

Salomé Lannier, Post-doctoral researcher at Luxembourg University.

10h20 Digital Evidence Gathering: The Role of Legal Entities in Spanish Criminal Proceedings

Marina Oliveira Teixeira dos Santos, Post-doctoral researcher at Salamanca University.

Discussions

Panel 5 - AI-based transborder crime investigation
Chair: (to be confirmed)

11h (online) **AI-based border control from an IT point of view**
Mohamed Genedy, Co-Founder and CTO of Trustec Valley.

11h20 **The use of AI in transborder investigations: the ambivalence of EU law**
Chloé Fauchon, Criminal law lecturer at Bayonne University.

Discussions

Lunch buffet (12h-13h30)

*Place: Indoor garden of Collège Doctoral Européen (1st floor)
46 Boulevard de la Victoire, 67000 Strasbourg*

Panel 6 – “World café” – French and German Master students’ exchange time with participants

13h30-14h30

Concept: Students (from Saarland and Strasbourg Universities) present their questions for their master research project (Seminararbeit) or in general for their personal and academic interest to small groups of speakers to receive pieces of advice, and inputs in methodology as well as in law/ technology/ comparative law.

14h30 **Concluding remarks**

End of the event