

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. It brings together crime investigators, IT researchers, and legal specialists in data protection, AI law, and criminal law for a dynamic exchange of perspectives.

Scientific direction

Yamina BOUADI, LL.M., Doctoral researcher at Saarland and Strasbourg Universities
Maria GAHN, LL.M., Doctoral researcher at 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

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

Introductory words

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

11:00 **Keynote and discussions**
AI and privacy: A Computer Science Perspective
Christoph Sorge, Professor at Saarland University.

Discussions

Panel 1 – Regulation challenges of AI consequences on privacy

Chair: Prof. Christoph Sorge

11:40 **AI used in Law enforcement: what consequences on human rights, more specifically data protection?**
Kamel El Hilali, AI and the Rule of Law, UNESCO.

Discussions

12:30 *Lunch break*

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

- 14:00** **AI-based forensics in the AI-act: a mismatch for fair trial rights?**
Johan van Banning, Doctoral researcher at Amsterdam University.
- 14:20** **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 Strasbourg University

- 15:00** **Use of virtual reality at the crime scene and in court: challenges of data protection**
Maria Gahn, Doctoral researcher at Saarland University.
- 15:20** **The use of AI-based translator in criminal proceedings and its impact on the gained evidence and data protection**
Philipp Lehnertz, Student Research Assistant at Saarland University.

Discussions

16:00 *Coffee break*

Panel 4 – Detecting sexual offences via AI

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

16:30 Chat control and data protection

Christoph Zoller, Doctoral researcher at Saarland University.

16:50 The use of CSAM for criminal prosecution

Martin Reiter, German Public Prosecutor Office Saarbrücken.

Discussions

End of the first day



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March 7th 2025, Saarland University

Building B4 1, room 0.27

Universität Campus, 66123 Saarbrücken



9:15 Start of the day

9:30 Keynote and discussions

Dominik Brodowski, Professor at Saarland University.

9:50 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

10:40 Break and walk to the DFKI (German Research Center for AI)

11:00 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

11:50 Anomaly detection in the financial sector

Peter Fettke, Professor of Business Informatics at Saarland University, DFKI.

Discussion

12:30 Lunch Break

Panel 7 – Picture Recognition

Chair: Dominik Brodoswki, Professor at Saarland University

14:00 **Privacy issues on automated license plate recognition: a comparative study** (France, US, Canada)

Amélie Turci, Doctoral researcher at Ottawa and Rennes Universities.

14:20 **Body Geometry Based Age Estimation – A Custom Model for crime investigation**

Paul Ferdinand Silas Könneker, Master Student at Saarland University.

Discussions

15:30 Concluding remarks

End of Part I of the conference

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

May 15th 2025 - Strasbourg University

Room “Alex Weill” (5th floor)
Law Faculty / Faculté de droit, gestion et science politique
1 place d'Athènes
F-67045 Strasbourg Cedex



10:00 **Arrival of the participants**
Welcoming coffee

10:15 **Opening words**

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

10:30 **Introductory words**
Yamina Bouadi and Maria Gahn, co-organisers of the conference.

10:40 **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 Strasbourg University

11:10 **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.

11:30 **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

12:15 **Lunch break**



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

Chair: Dominik Brodowski, Professor at Saarland University

14:00 The political and legal implications of Algorithmic video surveillance for police work

Félix Tréguer, Associate Researcher at CNRS (French National Research Center), Center for Internet & Society and Member of La Quadrature du Net.

14:20 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: Sylvain Vernaz, Lecturer at Université de Haute Alsace, Mulhouse

15:20 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.

15:40 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

16:30 *Closing remarks for the day*

May 16th 2025 - Strasbourg University

Collège Doctoral Européen 
46 Boulevard de la Victoire, 67000 Strasbourg

9:00 **Arrival of participants**
Welcoming coffee

9:30 **Start of the conference**

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 Saarland University

9:40 **On the Legal Limits and Criminal Procedural Implications of Applying Artificial Intelligence in Corporate Internal Investigations (online)**
Túlio Felipe Xavier Januário, Doctoral researcher at Coimbra University.

10:00 **Detecting human trafficking for sexual exploitation online: AI-related obligations for law enforcement authorities and platforms**
Salomé Lannier, Post-doctoral researcher at Luxembourg University.

10:20 **Digital Evidence Gathering: The Role of Legal Entities in Spanish Criminal Proceedings**
Marina Oliveira Teixeira dos Santos, Assistant for the Autoridad Independiente en materia de corrupción de Castilla y León (AICCyL), Spain.

Discussions

Panel 5 – AI-based transborder crime investigation
Chair: Yamina Bouadi, Doctoral research at Saarland and Strasbourg Universities

- 11:00** **AI-based border control from an IT point of view** (online)
Mohamed Genedy, Co-Founder and CTO of Trustec Valley.
- 11:20** **The use of AI in transborder investigations: the ambivalence of EU law**
Chloé Fauchon, Criminal law lecturer at Bayonne University.

Discussions

Lunch buffet (12:00–13:30)

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

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

13:30–14:30

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.

14:30 **Concluding remarks**

End of the event



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