

Academic Conference

Crime Control, Security and New Technologies

29–30 August 2022

UiT – The Arctic University of Norway
Tromsø, Norway





Date: 29–30 August 2022

Location: Rødbanken
Storgata 65
Tromsø, Norway

Organizers: UiT The Arctic University of Norway
(Research Group on Crime Control and Security Law)
&
Max Planck Institute for the Study of Crime, Security and Law
(Otto Hahn Research Group on Alternative and Informal Systems
of Crime Control and Criminal Justice)

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SPEAKERS/DISCUSSANTS

Lorena Bachmaier Winter (Universidad Complutense de Madrid)

Eftychia Bampasika (Max Planck Institute for the Study of Crime, Security and Law)

Emmanouil Billis (Max Planck Institute for the Study of Crime, Security and Law)

Areeg Samir Ahmed Elgazazz (University of Tromsø)

Magne Frostad (University of Tromsø)

Artem Galushko (University of Tromsø)

Mathias Hauglid (University of Tromsø)

Dag Johansen (University of Tromsø)

Håvard Johansen (University of Tromsø)

Bjørn Aslak Juliussen (University of Tromsø)

Nandor Knust (University of Tromsø)

Elisavet Kozyri (University of Tromsø)

Gerd Kristoffersen (Råfisklaget)

Crystal Ho-Yee Lam (University of Tromsø)

Katalin Ligeti (University of Luxemburg)

Stine-Karethe Løkvoll Jensen (University of Tromsø)

Valsamis Mitsilegas (Queen Mary University of London)

Julian Roberts (University of Oxford)

Jon Petter Rui (University of Bergen)

Clementina Salvi (Queen Mary University of London)

Moa Skasberg Jonsson (University of Tromsø)

Christian Thönnies (Max Planck Institute for the Study of Crime, Security and Law)

Niovi Vavoula (Queen Mary University of London)

Richard Vogler (University of Sussex)



PROGRAMME

Day 1 – Monday, 29 August 2022:

Conference on “Crime Control, Security and New Technologies”

08:30 **Registration**

09:00 **Welcome**

Tore Henriksen (Dean, Faculty of Law, UiT)

Anders Andersen (Head of Department of Computer Science, UiT)

Session 1: **Law & Tech Project**

09:15 **Introduction: Law & Tech**

Emmanouil Billis / Nandor Knust / Jon Petter Rui

09:30 **Computer Science and Law @UiT**

Dag Johansen

Session 2: **Crime Control and Security**

Discussion Moderator: *Gerd Kristoffersen*

10:10 **The Privatisation of Crime Control, New Technologies and the Rule of Law**

Valsamis Mitsilegas

10:50 ***** Coffee break *****

11:10 **The Tech and the Territory: Local Enforcers on a Globalized Crime Scene**

Katalin Ligeti

11:50 **The Future of Automated Processing of Personal Data for Law Enforcement Purposes: What Lessons from the Jurisprudence of the CJEU?**

Niovi Vavoula

12:30 ***** Lunch and coffee *****



13:30 **The Third Country Problem under the GDPR: Technology to the Rescue**
Elisavet Kozyri / Bjørn Aslak Juliussen

14:10 **Fake News**
Magne Frostad

Session 3: Criminal Justice

Discussion Moderator: *Crystal Ho-Yee Lam*

14:50 **AI and Sentencing**
Julian Roberts

15:30 ***** Coffee break *****

15:50 **Evidence and Surveillance: How Technologies are Changing the Criminal Procedure?**
Lorena Bachmaier

16:30 **Security, New Technologies and Resistance**
Richard Vogler

17:10 **Enforcement and Security in the New Technology Era: Conference Summary and Outcomes**
Emmanouil Billis / Nandor Knust / Jon Petter Rui

17:30 **Discussion**

20:00 ***** Dinner for speakers and discussion moderators *****



Day 2 – Tuesday, 30 August 2022:

Postdoc & PhD Workshop on “AI in Criminal Justice: Legal and IT Perspectives” (closed sessions)

09:00 **Introduction: AI in Criminal Justice – Opportunities and Challenges**
Emmanouil Billis / Nandor Knust / Jon Petter Rui

Session 1: **Presentations**

Moderators: *Stine-Karethe Løkvoll Jensen*

9:30 – 13:00 **AI and Criminal Evidence**
Eftychia Bampasika

AI in Healthcare
Areeg Samir Ahmed Elgazazz

AI in Hybrid Cyber Warfare and Common Security in Europe
Artem Galushko

Through the Notions - Regulating «Bias» in AI
Mathias Hauglid

Privacy and Proportionality in AI
Bjørn Aslak Juliussen

AI and Criminal Justice: The Impact of Deepfake Technology
Clementina Salvi

Doctrinal Approaches to a Right to a Human Decision
Christian Thönnnes

13:30 ***** Working lunch *****



Session 2: Discussion

Moderators: *Moa Skasberg Jonsson*

15:00 – 17:00

With Discussants:

Lorena Bachmaier Winter, Emmanouil Billis, Dag Johansen, Håvard Johansen, Nandor Knust, Elisavet Kozyri, Katalin Ligeti, Julian Roberts, Niovi Vavoula and Richard Vogler

Postdoc & PhD Workshop Description

Resorting to Artificial Intelligence technology with the goal of strengthening the efficiency and effectiveness of crime control and criminal justice systems is a current development in numerous legal orders. In an era of multiple novel challenges in the fight against crime, a plethora of AI applications has emerged in parallel to traditional enforcement and judicial practices, set to serve a variety of purposes: from predictive policing, crime prevention, and crime detection to risk and recidivism assessment, the processing of evidence, and the determination of criminal punishment. The design and implementation of effective and transparent policy plans and regulations in these fields require, on the one hand, a better understanding of the inner workings of the AI applications on the part of legal theory and practice. On the other hand, AI developers must also have a firm grasp of the main ideas behind key legal concepts and their potential differentiations in different legal traditions. Specifically in terms of the relationship between AI and the rule of law, the challenge is twofold: to proactively program AI tools in a way that excludes arbitrariness in decision-making processes involving such tools; and to optimize the operation and learning processes of AI with the overall purpose of assisting traditional criminal justice actors in producing more accurate, objective, and fair results. Cross-jurisdictional and interdisciplinary research is crucial in this respect. This workshop, co-organized by the Max Planck Society's Otto Hahn Group on Alternative and Informal Systems of Crime Control and Criminal Justice and the Research Group on Crime Control and Security Law of the University of Tromsø, is aimed at analyzing not only the opportunities but also the challenges of incorporating AI into criminal justice in a way that is congruent with core human-rights standards and rule-of-law principles. The participants are called to explore and discuss such issues as those of privacy, data protection, security, reliability, transparency and objectivity, discrimination and bias, as well as the explicability and accountability parameters of the AI applications. In this context, they will be cogitating about whether algorithms can perceive and employ fundamental legal concepts for the delivery of criminal justice, such as fairness and proportionality. This knowledge exchange between legal scholars and IT experts from the AI field aims at promoting a reciprocal understanding on how to successfully "translate" central legal notions and protective principles into programming language.