DILEMA

Designing International Law and Ethics into Military Artificial Intelligence

DILEMA 2023 Conference

12–13 October 2023

Asser Institute (The Hague)

Programme

ASSER INSTITUTE

Centre for International & European Law

Thursday 12 October 2023

09:15 – 09:45   Arrival and registration

09:45 – 10:00   Opening

Dr Bérénice Boutin (Asser Institute, DILEMA Project)

10:00 – 11:00   **Keynote Lecture – AI in Critical Decisions: is Human Judgment a Legal Requirement?**

Professor Noam Lubell (University of Essex)

11:00 – 11:30   Break

11:30 – 13:00   **Panel 1: Compliance and Responsibility in Relation to Military AI**

Chair: *Dr Bérénice Boutin (Asser Institute, DILEMA Project)*

- ChatGPT for the Military? Large Language Models in the Military Domain and the Role of Article 36 Weapons Reviews

  Dr Elisabeth Hoffberger-Pippan (Peace Research Institute Frankfurt)
- The Use of Autonomous Cyber Capabilities in Armed Conflicts: Legal and Ethical Implications

  Marta Stroppa (Sant'Anna School of Advanced Studies) [online]
- "Teaching New Systems Old Tricks": Do Autonomous Weapon Systems Need Specific ROE?

  Dr Marcin Marcinko (Jagiellonian University in Krakow)
- Who Hunts the Hunters? Who is Liable when Military Artificial Intelligence Goes Wrong

  Dr Brendan Walker-Munro and Dr Sam Hartridge (University of Queensland)

13:00 – 14:00   Lunch

14:00 – 15:30   **Panel 2: Human-Machine Interaction in Military Decision-Making**

Chair: *Klaudia Klonowska (Asser Institute, DILEMA Project)*

- Above the Law: Drones, Aerial Vision, and the Law of Armed Conflict – A Socio-Technical Approach

  Professor Shiri Krebs (Deakin University; Stanford University)
- Artificial Intelligence and the Rupture of the Rationalist Myth of Military IHL Decision-Making Processes: A Move Towards Emotions in IHL?

  Anna Rosalie Greipl (Geneva Graduate Institute (IHEID) and Geneva Academy of International Humanitarian Law and Human Rights)
- Context-Driven Analysis of AI-Based Solutions: Methods and Tools Supporting Efficient Verification, Validation and Certification

  Dr Iris Cohen and Dr Gregor Pavlin (Thales Nederland B.V.)

15:30 – 16:00   Break

16:00 – 17:15 **Panel 3: The Impact of Military AI on Conflict**

Chair: *Dr Magda Pacholska (Asser Institute, DILEMA Project)*

- That We Are Constant: Algorithmic Warfare, Spontaneous Political Action, and the Right to Self-Determination

  Dr Henning Lahmann (Leiden University)

- The IDF Introduces: Artificial Intelligence in the Battlefield, A New Frontier?

  Dr Tal Mimran (Hebrew University and Tachlith Institute) [online]

- A Mechanism for Overcoming Real or Perceived Problems of Disparate Ethical Outlooks in Multilateral Alliances when Evaluating the Impacts of AI in a Military Context

  Dr Michael Wildenauer (University of Melbourne)

Evening   Conference dinner

Friday 13 October 2023

09:30 – 09:45 Arrival

09:45 – 10:45 **Keynote Lecture – Seated on the Whirlwind: Artificial Intelligence, Weapons Systems and Moral Agency**

  Dr Elke Schwarz (Queen Mary University London)

10:45 – 11:15 Break

11:15 – 12:30 **Panel 4: The Impact of Military AI on Discourses and Doctrines**

Chair: *Taylor Woodcock (Asser Institute, DILEMA Project)*

- The Role of Military AI in Deterrence Theory and Practice

  Dr Bianca Baggiarini (Australian National University)

- Visuals as Sources of Normativity in the Debate about Artificial Intelligence in Weapon Systems

  Dr Ingvild Bode (University of Southern Denmark), Dr Guangyu Qiao-Franco (Radboud University Nijmegen), Anna Nadibaidze (University of Southern Denmark)

- Platform Warfare: The Rise and Implications of Platform Corporations in AI-Centered Warfare

  Dr Marijn Hoijtink (University of Antwerp)

12:30 – 13:30 Lunch

13:30 – 14:45   Panel 5: Military AI and the Reconfiguration of Human Agency

Chair: *Dr Sadjad Soltanzadeh (Asser Institute, DILEMA Project)*

- The AI-Augmented Super Soldier: Enhancement, Interfaces and the Extended Cognition of Human-Machines

  Dr Thomas Christian Bächle (University of Bonn; Humboldt Institute for Internet and Society Berlin)

- Artificial Decision-Making on Life-or-Death: The Moral-Psychological Implications of Increasing Autonomy in Weapon Systems

  Dr Tine Molendijk, Professor Lonneke Peperkamp, Sofie van der Maarel (NLDA)

- Proportionality, Intentions, and Human Agency

  Dr Elad Uzan (University of Oxford)

14:45 – 15:15   Break

15:15 – 16:45   Panel 6: Governance of Military AI

Chair: *Dr Marta Bo (Asser Institute; SIPRI)*

- ELSI goes to War – Criticisms of Autonomous Weapon Systems and the Rise of a Responsible AI

  Dr Jens Hälterlein and Professor Jutta Weber (Paderborn University)

- "This is my Last Resort" - Overcoming the Stalemate in Autonomous Weapons Regulation through National Legislation and Industry Self-Regulation

  Marcel Schliebs (University of Oxford) and Vanessa Vohs (Bundeswehr University Munich)

- 'Cyber-ing' the AI Regime: Path Dependencies and Pathologies to Avoid in the Creation of Rules for Military AI

  Dr Arun Sukumar (Leiden University) [online]

16:45 – 17:00   Closing

17:00 – 18:30   Reception