



**STOCKHOLM INTERNATIONAL
PEACE RESEARCH INSTITUTE**



Autonomous Technologies and their Societal Impact

Full day Workshop convened by SIPRI and the IEEE FDC

Friday 2 September 09.00 – 17.00

Venue: Stockholm International Peace Research Institute (SIPRI), Stockholm

Visiting Address: Signalistgatan 9, 169 70 Solna, Sweden

Programme

8.30 – 9.00 Arrival

9.00 – 9.30 Welcome and introduction

- 9.00 – 9.10 Welcoming remarks, *Dan Smith*, Director, SIPRI
- 9.10 – 9.30 Autonomous technologies and their societal impact: Project overview and objectives of the workshop, *Raj Madhavan*, IEEE FDC

9.30 – 12.30 Session 1. Autonomous technologies and the conduct of warfare

- 9.30 – 9.40 How do autonomous technologies change humans' experience of warfare? And why does it matter? *Vincent Boulanin*, SIPRI
- 9.40 – 10.00 Autonomy and human-machine interaction: On the psychosocial consequences of advanced automation, *Patrik Stensson*, Swedish Armed Forces (TBC)
- 10.00 – 10.20 Effects of the use of autonomous weapons on the targeting process, *Merel Ekelhof*, VU University Amsterdam
- 10.20 – 10.30 Q&A (Moderated by Vincent Boulanin)

10.30 – 10.50 Break

- 10.50 – 11.10 Legal challenges posed by the use of autonomous weapons, *Camilla Waszink*, International Law and Policy Institute
- 11.10 – 11.30 Autonomous weapons: Challenges and prospects of arms control discussions at the United Nations, *Elena Finckh*, United Nations Institute for Disarmament Research
- 11.30 – 12.30 Panel discussion and Q&A (Moderated by Vincent Boulanin)

12.30 – 13.30 Lunch – *Vegetarian buffet served outside the meeting room*

13.30 – 17.00 Session 2. Ensuring a positive societal impact of autonomous technologies: Paths and opportunities

- 13.30 – 13.50 Ethical governance is needed to build trust, *Alan Winfield*, University of Bristol
- 13.50 – 14.10 The role of scientists in the debate on autonomous technologies, *Ludovic Righetti*, Max-Planck Institute for Intelligent Systems
- 14.10 – 14.30 Q&A (Moderated by Raj Madhavan)

14.30 – 14.50 Break

- 14.50 – 15.10 Workplace technological innovation, what role for the law? *Barbara Bottalico*, University of Pavia
- 15.10 – 15.30 Autonomous technologies, the role of regulations, *Gurvinder Virk*, Swedish Royal Institute of Technology
- 15.30 – 16.30 Panel discussion and Q&A (Moderated by Raj Madhavan)
- 16.30 – 17.00 Closing remarks