

Colloquium, 23 & 24 March 2022
Autonomous Weapon Systems: Operational, Ethical and Legal Perspectives

23 March	Auditorium Frank DE WINNE	
Hour	Title	Speaker
09.00-09.30	Registration	
09.30-09.35	Welcome Address by Colonel Filip BORREMANS, MSc Eng, Director-general of the RHID	
09.35-09.45	Introduction Keynote by Divisional Admiral Yves DUPONT, MSc Eng, Commander and Rector of the RMA	
	AWS: TODAY AND TOMORROW	
09.45-10.15	Understanding AI and Autonomy: Problematizing the Human Control Argument in the Case of AWS and Robots	Dr Frank SAUER (Bundeswehr University Munich)
10.15-10.45	Taking Stock of AWS and Military Robotics Proliferation	Ms Alice SPAZIAN (United Nations Institute for Disarmament Research)
10.45-11.00	Coffee Break	
11.00-11.30	Are AWS the Future of Armed Conflicts?	Dr Kenneth PAYNE (University of London)
11.30-12.00	AWS, AI and the Offence/Defence Balance	Ms Ann-Katrien OIMANN, PhD student (Royal Military Academy)
12.00-12.30	Dual Use, Military Use and Misuse	Em. Prof. Ludo FROYEN, Msc Eng, Ethical Commission DMM (KU Leuven)
12.30-14.00	Lunch break	
	POLITICAL, LEGAL AND ETHICAL ISSUES	
14.00-14.30	Drones, AWS, LAWS, Robotics: What's the Difference?	Mr Walter DAVID (Ronin Institute)
14.30-15.00	Drones, LAWS and the Just War Theory	Prof. Dr Carl CEULEMANS (Royal Military Academy)
15.00-15.15	Coffee Break	
15.15-15.45	The Need for and Elements for a New Treaty on Fully Autonomous Weapon Systems: Beyond the Convention on Conventional Weapons (CCW)	Mr Sigurd SCHELSTRAETE (Federal Public Service – Foreign Affairs)
15.45-16.15	Ethical Aspects of the Use of (Semi) Autonomous Weapon Systems	Major Dirk NAESENS (ACOS STRAT)
16.15-17.00	Coffee Break	
17.00-18.30	Panel Discussion (moderated by Jens FRANSEN, VRT/NWS) Mr Georges FRANCHOMME (FN HERSTAL), Mr Lode DEWAEGHENEIRE (U LIÈGE), Prof. Dr Lode LAUWAERT (KU LEUVEN), Mr Nils DUQUET (FLEMISH PEACE INSTITUTE)	
18.30-20.00	Drink	

24 March		Auditorium Frank DE WINNE	
Hour	Title	Speaker	
09.00-09.30	Registration		
09.30-09.40	Opening Remarks (TBD)		
OPERATIONAL, TECHNICAL AND INDUSTRIAL DIMENSIONS			
09.40-10.10	AWS and AI: What Implications for the Defence Industry?	Prof. Dr Maurizio MARTELLINI (Università degli Studi dell'Insubria)	
10.10-10.40	Autonomous Land Systems	Lieutenant Colonel Martijn HADICKE (Program Officer Robotics and Autonomous Systems, Royal Netherlands Army)	
10.40-11.00	Coffee Break		
11.00-11.30	Unmanned Maritime and Underwater Systems: Perspectives and Threats for the Future	Frigate Captain Tom DE VLEESCHAUWER (Belgian Defence, COMOPSNV)	
11.30-12.00	Military Perspective on Future Uses of Systems with Autonomous Functions	Cdr Joseph STRASSBERGER (Allied Command Transformation)	
12.00-12.30	Micro-Drones and Nano-Drones	Prof. Dr Martti LEHTO (University of Jyväskylä)	
12.30-14.00	Lunch break		
Atrium (Bloc I) or Bloc M			
14.00-14.20	Exposition 1: Loki Mk2 (not available via Zoom)	Mr Alexis FRANCK (SkyHero)	
14.20-14.40	Exposition 2: Presentation on Main Programmes (not available via Zoom)	Mr Jon KOSKI (Northrop Grumman)	
14.40-15.00	Exposition 3: MilRem (not available via Zoom)	Mr Leonard LABORY (FN Herstal)	
15.00-15.20	Coffee Break		
Auditorium Frank DE WINNE			
15.20-15.40	Exposition 4: Presentation on Main Programmes	Mr Bernard CLERMONT (John Cockerill Defence)	
15.40-16.00	Exposition 5: Presentation on Main Programmes (TBC)	Mr Ulrik WECKX (SABCA)	
16.10-16.20	Closing Remarks		
16.30-18.00	Drink		