Day 2 at CCW

Second day of discussions on autonomous weapons systems at the Convention on Conventional Weapons covered definitions. Let’s see how the conversation went.
Strong @BanKillerRobots team ready for NGO statements at #CCWUN. This is only one side of the NGO row. pic.twitter.com/FhuhJq8PNu

Rasha Abdul-Rahim
@Rasha_Abdul

Day 2 of #CCWUN has begun, with opening statements from civil society.

AAR Japan 〔難民を助ける会〕
@aarjapan

今回の #CCWUN 専門家会合には、キラーロボット反対キャンペーン @BanKillerRobots から約40名が参加しています。AARからは理事長の長有紀枝と事務局の松本が出席中です。twitter.com/MinesActionCan...

Stop Killer Robots
@BanKillerRobots

Starting with the last round last general statements, first @UNIDIR, which has produced multiple reports on its autonomy research #CCWUN
Day 2 at CCW

Erin Hunt
@erinlynnhunt

@UNIDIR it's time to pivot framing of the discussions about #killerrobots to talking about autonomy in weapon systems. #CCWUN

2 YEARS AGO

HM Roff
@HMRoff

#UNIDIR acknowledging that combos of semi-autonomous could be unacceptable #CCWUN

2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

Y/day #UK said lethal autonomous weapons systems do not & may never exist. but now closer to reality thank we think? twitter.com/UKMissionGenev...

@erinlynnhunt · 2 YEARS AGO

2 YEARS AGO

HM Roff
@HMRoff

@UNIDIR keep the human before the robot. #CCWUN

2 YEARS AGO

ReachingCriticalWill
@RCW_

Key question about #killerrobots is about what control we want humans to have over the tools of violence we employ - @UNIDIR #CCWUN

2 YEARS AGO

Erin Hunt
@erinlynnhunt

The whole will always be greater than the sum of its parts. Features in current systems could be problematic if combined in future. @UNIDIR

2 YEARS AGO
#killerrobots would be tools, not soldiers or colleagues. Putting human side first rather than tech side first is crucial. @UNIDIR #CCWUN

@Rasha_Abdul: ultimately discussions abt autonomy will centre around what level of control we want humans to have over tools of violence #CCWUN

#unidir: #CCWUN should focus on human requirements for legitimate force, the tools of violence continue to evolve, must serve human ends

putting the human side first in autonomous weapons systems is essential - Kirsten Vignard UNIDIR #CCWUN

Significant legal, ethical, societal Qs re weapons that would select & attack targets w/out further human intervention - @ICRC tells #CCWUN

. @ICRC @klawand discussions have indicated that human control over weapons and use of force must be maintained. #CCWUN
1st day morning's general discussion is ongoing. UNIDIR, ICRC and NGO speeches are ongoing. #CCWUN

"Human Control in the use of force must be maintained" ICRC statement Kathleen Lawand Head of arms division #CCWUN

On March 15-16, @ICRC held a 2nd meeting of experts to consider autonomous weapons systems that 20 govts attends plus civil society #CCWUN

Autonomous weapon system refers to any weapon system that has autonomy in critical functions of selecting & attacking targets @ICRC @klawand

@UNIDIR argues to put the horse before the cart, or rather the human before the robot #CCWUN @BanKillerRobots

Look at existing weapons systems & autonomy in their critical functions as can help determine boundaries of what is acceptable @ICRC #CCWUN
Erin Hunt
@erinlynnhunt

@ICRC the notion of human control is the overarching issue in this debate. #CCWUN

2 YEARS AGO

ICRAC
@StopTheRobotWar

The notion of human control is the overarching issue in this debate. ICRC #CCWUN

2 YEARS AGO

ReachingCriticalWill
@RCW_

Is human control at development stage enough or need human control over operation? Needs to be consistent with ethics & law. @ICRC @klawand

@erinlynnhunt · 2 YEARS AGO

HM Roff
@HMRoff

Need to maintain human control is consistent with law, military obligations and ethics @ICRC #CCWUN

2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

Human control whether it be meaningful, appropriate, or effective is consistent w. law, ethics & can be framework for addressing issue @ICRC

@erinlynnhunt · 2 YEARS AGO

Project Ploughshares
@ploughshares_ca

#CCWUN: @ICRC points to need to determine degree and kind of human control over operational use of weapons systems

2 YEARS AGO
Peter Asaro
@PeterAsaro

#ICRC #CCWUN should focus on defining the boundaries on autonomy in continuing discussions on #KillerRobots @icracnet

Erin Hunt
@erinlynnhunt

. @aarjapan gets the civil society statements started. Deal with impact of inhumane weapons and are monitoring future weapons. #CCWUN

Stop Killer Robots
@BanKillerRobots

NGO statements start w @aarjapan's president @yukieosa. Humanitarian org assisting communities affected by landmines, cluster munitions

Erin Hunt
@erinlynnhunt

Around the world the public is becoming more aware of the danger of #killerrobots. Dealing with thus issue is a moral obligation. @aarjapan

Stop Killer Robots
@BanKillerRobots

Around world & in #Japan general public is becoming aware & concerned about fully autonomous weapons, want to protect t/elves - @aarjapan
Office for the week. The Academia pen, and presentation screen at the #CCWUN conference. #UNOGLAWS2016 pic.twitter.com/TxFj8uqm2Z

@JOSHGHUGHES · 2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

Now @Article36’s @nashthomas sees wider social unease over autonomous weapons & #CCWUN is place to prohibit or restrict unacceptable weapons

@2 YEARS AGO

Erin Hunt
@erinlynnhunt

. @Article36’s @nashthomas wide participation at #CCWUN indicates the feeling of unease about autonomous weapons systems.

@2 YEARS AGO

ReachingCriticalWill
@RCW_

#CCWUN meeting for 3rd time on #killerrobots reflects social unease w/ erosion of human control over violent force - @nashthomas @Article36

@2 YEARS AGO
NGOからの発言にうつりました。1団体目はAARです。 #CCWUN pic.twitter.com/L04rwG86s2

HM Roff
@HMRoff
@Article36 #CCWUN @nashthomas AWS act without human control, so this would necessarily lead to the need for a prohibition

Erin Hunt
@erinlynnhunt
There can be little reasonable debate about the need for human control over weapons systems. @Article36

ReachingCriticalWill
@RCW_
Meaningful human control over attacks is basic requirement to uphold structure of law as it stands - @nashthomas @Article36 #CCWUN
ReachingCriticalWill
@RCW_

#killerrobots challenge law human beings have set out - we can respond to this challenge or abandon the law @nasthomas @Article36 #CCWUN

2 YEARS AGO

ReachingCriticalWill
@RCW_

States must operate in ways that express our common humanity incl by establishing GGE on #killerrobots at #CCWUN - @nasthomas @Article36

2 YEARS AGO

AAR Japan
@aarjapan

AAR is and continues to work to ban non-combatant-killing weapons. #killerrobots #CCWUN

2 YEARS AGO

Erin Hunt
@erinlynnhunt

These meetings should be an opportunity for states to take concrete actions. @Article36 #CCWUN

2 YEARS AGO

AAR Japan
@aarjapan

その後も @Article36 、Human Rights Watch @hrw の発言が続きます。 #CCWUN

2 YEARS AGO
Is it time to pivot the framing of the LAWS #CCWUN discussion? Read @UNIDIR Statement bit.ly/25Uaumx pic.twitter.com/KRzci6lO5i

Stop Killer Robots
@Ban Killer Robots

Now Steve Goose for @hrw, which coordinates the Campaign to Stop Killer Robots, is highlighting top 5 fallacies we hear #CCWUN

Erin Hunt
@erinlynnhunt

@hrw highlights the top 5 fallacies here at #CCWUN. Number 1 we don't know what we're talking about exactly.

ICRAC
@StopTheRobotWar

@nashthomas rocked at CCW on the importance of human control - inspiring #CCWUN
Erin Hunt
@erinlynnhunt

2nd fallacy is we need definitions before starting negotiations but usually definitions are the last agreed to in negotiations. @hrw #CCWUN

2 YEARS AGO

Peter Asaro
@PETERASARO

#HRW #CCWUN has good idea what Autonomous Weapons are, legal definitions will come in negotiations @BanKillerRobots pic.twitter.com/hGewlx1Woz

2 YEARS AGO

HM Roff
@HMRoff

@UNHumanRights @BanKillerRobots #CCWUN Top 5 fallacies of AWS: don’t know what AWS are; must have definition now; too premature;

2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

#3 fallacy "It’s premature to move to formal discussions let alone negotiations" #4 "1 week of talks per year is adequate" @hrw #CCWUN

2 YEARS AGO
@UNHumanRights @BanKillerRobots #CCWUN Top 5 fallacies of AWS: 1 week of talks is enough (need 4);

2 YEARS AGO

3rd fallacy it's premature but we've done more work at #CCWUN for this issue than any previous issue. @hrw

2 YEARS AGO

@UNHumanRights @BanKillerRobots #CCWUN Top 5 fallacies of AWS: existing IHL is sufficient to deal with AWS

2 YEARS AGO

@UNHumanRights @BanKillerRobots #CCWUN Top 5 fallacies of AWS: confusion; definitions; premature; 1 week of talks; IHL is all we need

2 YEARS AGO

#5 #CCWUN fallacy: "Existing international humanitarian law is sufficient to deal with issue of lethal autonomous weapons systems" - @hrw

2 YEARS AGO

4th fallacy one week is enough but @hrw and @BanKillerRobots say need 4 weeks at #CCWUN in 2017.

2 YEARS AGO
"if IHL was sufficient we’d have no need for these discussions, just need faith"
@BanKillerRobots @SteveDGoose #CCWUN

The drumbeat for a ban on #killerrobots is getting louder and cannot be ignored - @hrw
@SteveDGoose #CCWUN

5th fallacy is that IHL is sufficient. We have heard that before and every time the international community decides to make new law. #CCWUN

@hrw dispel 5 fallacies stalling progress on killer robots (1/6) @BanKillerRobots #CCWUN

@hrw #CCWUN Algeria and Costa Rica join 9 other states in calling for a ban on #KillerRobots
Jurgen Altmann @icracnet delivers opening statement at CCW: autonomous weapons pose threat to global security #CCWUN pic.twitter.com/ISBQlnoxkN
Steve Goose: the drumbeat for a ban is getting louder and louder @BanKillerRobots #CCWUN pic.twitter.com/ZbO0ovlqcL

Stop Killer Robots @BanKillerRobots

Now @iCRAC vice-chair Juergen Altman describes scientific, technical, legal, other expertise of its members who stand ready to help #CCWUN

Erin Hunt @erinlynnhunt

. @icracnet we cannot guarantee the reliability of autonomous weapons systems. Interaction of 2 autonomous weapons is impossible to test.

HM Roff @HMRoff

@icracnet @BanKillerRobots #CCWUN "we want to reassure" that a ban would "not prohibit peaceful" uses of autonomy and AI
Erin Hunt
@erinlynnhunt

@icracnet destroys concerns about a ban on #killerrobots having a negative impact on robotics.

2 YEARS AGO

ReachingCriticalWill
@RCW_

Scientists see a ban on #killerrobots not as hurdle but as sign that their work will not be weaponised - @icracnet #CCWUN

2 YEARS AGO

ICRAC’s Juergen Altmann: A ban will not hamper but foster scientific progress in robotics!
@BanKillerRobots #CCWUN pic.twitter.com/ISFyar9n2a

2 YEARS AGO

Project Ploughshares
@ploughshares_ca

ICRAC: scientists would welcome LAWS ban as assurance that their work will not be weaponized. #CCWUN

2 YEARS AGO
Stop Killer Robots
@BanKillerRobots

Now @PCHannon of @MinesActionCan, another co-founder of our Campaign to Stop Killer Robots. Many concerns with killer robots. #CCWUN

2 YEARS AGO

ReachingCriticalWill
@RCW_

.@MinesActionCan concerned with #killerrobots - delegating death has many serious implications for real world - @PCHannon #CCWUN

2 YEARS AGO

ReachingCriticalWill
@RCW_

War is a human activity; removing humans is unacceptable - @MinesActionCan @PCHannon #CCWUN

2 YEARS AGO

Juergen Altmann reads @icracnet statement at #CCWUN @BanKillerRobots pic.twitter.com/Z9dpFRp0Pc

PETER ASARO @PETERASARO · 2 YEARS AGO
ICRAC's J. Altmann providing a brief analysis of the impact of LAWS on intl. stability, peace. Read more here icrac.net/2016/04/speed-... #CCWUN

2015 saw expansion of the debate & the momentum towards a ban is clearly growing @PCHannon of @MinesActionCan #CCWUN pic.twitter.com/88GlXhUOOq

#killerrobots would be expected to work in least predictable environment & thus more prone to failure - @MinesActionCan @PCHannon #CCWUN

Time 4 states to speak about their concerns, positions, policies. Form a Group of Govt Experts & get started on ban - @MinesActionCan #CCWUN
Robotic weapons will work in the most unpredictable environment - battlefield. Commanders need predictable weapons. @MinesActionCan #CCWUN

@PCHannon MAC strong opening statement. An algorithm should never make the decision to kill #CCWUN pic.twitter.com/bcNwdYaz2h

Ethical considerations are overarching chapeau for other concerns regarding #killerrobots - @PAXforpeace @MiriamStruyk #CCWUN

#CCWUN twitter.com/NoelSharkey/st...
Stop Killer Robots
@BanKillerRobots

Now @MiriamStruyk of @PAXvoorvrede, co-founded @BanKillerRobots due to our ethical concerns above all w game-changer of killer robots #CCWUN

"Do we want to live in a world where an algorithm makes the decision to take life?" @MinesActionCan @BanKillerRobots pic.twitter.com/roUMmsmXTR

ReachingCriticalWill
@RCW_

States should work for new law prohibiting #killerrobots - must not take humans, or humanity, out of loop - @PAXforpeace @MiriamStruyk #CCWUN

Erin Hunt
@erinlynnhunt

.@MiriamStruyk says @PAXforpeace co-founded @BanKillerRobots for moral reasons. Discussing issues previous generations couldn’t imagine
A weak or no result at #CCWUN will not do justice to the grave concerns we all have with lethal autonomous weapons systems - @PAXvoorvrede

@PCHannon Strong opening statement from MAC at CCW. Algorithms should never be allowed to decide who to kill. #CCWUN pic.twitter.com/ja8oQLo0gG

#CCWUN: @MinesActionCan suggests that Canada's Defence Review should include considerations on autonomous weapons systems

Act now to avoid taking the human & humanity out-of-the-loop. @PAXvoorvrede doesn’t agree w. all Netherlands policy but have one now. #CCWUN
@Peace_Women @achesonray #CCWUN "tools we use to commit violence can determine the character of that violence"

Our @achesonray is now speaking to the #CCWUN on #killerrobots! pic.twitter.com/fzBaNMQfgh

Now @WILPF @achesonray who directs @RCW_ . Process at #CCWUN enables us to ask Qs & prevent fully mechanising war. How we kill has meaning.

.@achesonray of @RCW_ says how we kill each other matters. Weapons used influence how we fight. #CCWUN
@achesonray rocks the #CCWUN with Simone Weil: our weapons shape the forms of violence we engage in. @WILPF #KillerRobots

@RCW Ray says "the choice of what we use to kill each other and how we kill each other has meaning to us” We hear you! #CCWUN

@hrw #3-still premature. Preparatory work has been done and it is sufficient to move forward @BanKillerRobots #CCWUN (4/6)

Now at #CCWUN: "We still have the chance to interrogate—and prevent—the consequences of fully mechanising our means of violence and war."

An autonomous weapon reduces people to objects. It is abhorrent. @RCW_ #CCWUN

Giving machines power to target & attack human beings crosses a moral line as no accountability, betrays our common humanity @WILPF #CCWUN
Erin Hunt
@erinlynnhunt

Autonomous weapons systems would be pinnacle of stripping away ethics and morals in armed conflict. @RCW_ #CCWUN

Noel Sharkey
@NoelSharkey

@RCW exceptionally powerful statement about abhorrence of Autonomous weapons- they embody violent masculinity. #CCWUN

ReachingCriticalWill
@RCW_

#CCWUN @RCW_ On gendered aspects: w #killerrobots algorithms would rep. violent masculinities 2 create some kind of perfect killing machine

Erin Hunt
@erinlynnhunt

. @CNASdc humans are bound to ensure their actions are lawful - humans need information and autonomy must be bounded. #CCWUN

Stop Killer Robots
@BanKillerRobots

Autonomy must be bounded to ensure failures do not lead to catastrophic consequences. Address human control. - @paul_scharre @CNASdc #CCWUN

Stop Killer Robots
@BanKillerRobots

Autonomy must be bounded to ensure failures do not lead to catastrophic consequences. Address human control. - @paul_scharre @CNASdc #CCWUN
@CNASdc's @paul_scharre delivers statement to #CCWUN on #autonomousweapons: cnas.org/blog/statement... pic.twitter.com/ARlgTgT0ok

KELLEY SAYLER  @KELLEYSAYLER  2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

Last to speak at #CCWUN is @JodyWilliams97 of @NobelWomen, 6 women recipients of @NobelPrize, & reps. many brother laureates too. #CCWUN

2 YEARS AGO

Erin Hunt
@erinlynnhunt

Last civil society speaker @JodyWilliams97 for @NobelWomen will have confusion in reporting to all the other laureates on #CCWUN.

2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

Look at 5 fallacies by @hrw b/c past 3 years since @BanKillerRobots formed saw incremental progress at #CCWUN & rapid changes in technology

2 YEARS AGO
AAR Japan [難民を助ける会]
@aarjapan
キャンペーン @BanKillerRobots 運営団体のひとつ、@NobelWomen の @JodyWilliams97 のスピーチ。 #CCWUN

2 YEARS AGO

Erin Hunt
@erinlynnhunt
Sometimes I feel like we’re at the same point we were at 3 years ago. Question about what we are talking about blows my mind @JodyWilliams97

2 YEARS AGO

Stop Killer Robots
@BanKillerRobots
"Just because we can is not sufficient reason to build weapons systems that are neither ethical or moral" - @JodyWilliams97 tells #CCWUN

2 YEARS AGO

Peter Asaro
@PeterAsaro
@JodyWilliams97 sad to report to 11 Nobel Peace Laureates that #CCWUN discussion made little progress in 3 years. It's time to get serious.

2 YEARS AGO

Erin Hunt
@erinlynnhunt
Strong stuff from @NobelWomen at #CCWUN twitter.com/HMRoff/status/...

2 YEARS AGO

HM Roff
@HMRoff
@JodyWilliams97 @BanKillerRobots "Credibility of CCW will be shattered completely" unless states move forward on AWS

@erinlynnhunt · 2 YEARS AGO
Stop Killer Robots
@BanKillerRobots
This is an opportunity for #CCWUN to prove itself as a credible body to address emerging arms issues. 1 week/year insufficient. @JodyWilliams97
2 YEARS AGO

Stop Killer Robots
@BanKillerRobots
Time to accept moral & ethical issues involved in allowing machines to kill action on their own. Take meaningful, bold initiative. #CCWUN
2 YEARS AGO

Erin Hunt
@erinlynnhunt
"We aren't banning [killer robots] because some states want them" @JodyWilliams97 of @NobelWomen saying it straight at #CCWUN
2 YEARS AGO

Me after @JodyWilliams97 finishes at #CCWUN pic.twitter.com/2F3PIb7hqm
2 YEARS AGO
Stop Killer Robots
@BanKillerRobots

Felt like that with the statements by our co-founders @#CCWUN now. Appreciate silence as it shows everyone listened [twitter.com/erinlynnhunt/s](https://twitter.com/erinlynnhunt/status/...)

2 YEARS AGO

@BanKillerRobots collectively it was a little more [pic.twitter.com/6Got1EQrYT](https://twitter.com/erinlynnhunt/status/...)

2 YEARS AGO

ReachingCriticalWill
@RCW_

Check out the full statement by @nashthomas of @Article36:
[reachingcriticalwill.org/images/documen... #CCWUN #killerrobots @BanKillerRobots](https://reachingcriticalwill.org/images/document...)

2 YEARS AGO
@JodyWilliams97 there is a wilful intention to obfuscate definitions of autonomy. Google car is understood. #CCWUN pic.twitter.com/3JwqyWlo7Y

ReachingCriticalWill
@RCW_
Check out the full statement by @achesonray of @WILPF: reachingcriticalwill.org/images/documen... #CCWUN #killerrots @BanKillerRobots

Sofia_Tuvestad
Sofia_Tuvestad
Just nu pågår diskussioner i FN om autonoma vapensystem. Spännande va? Följ via #CCWUN
Discussion has now moved to discussing definitions of lethal autonomous weapons systems #CCWUN #KillerRobots pic.twitter.com/LZKsU6y16I

Chair of #CCWUN meeting circulates & introduces draft recommendations he prepared that states "may" agree to by consensus on Friday

Session begins with quote from Jorge Luis Borges short story 'funes el memorioso'. My favourite author quoted at #CCWUN! #killerrobots
NGOの発言が終わり、次のパネルディスカッションにうつります。タイトルはTowards a Working Definition of LAWS. #CCWUN #killerrobots pic.twitter.com/eZPZNWUxWL

@AARJAPAN

Not all weapons prohibited are explicitly or exhaustively defined in instrument prohibiting them
- @gronystuen @ILPInews #CCWUN

@RCW_
I can confirm that sunshine is indeed happening. Very nice of the chair to arrange this for #CCWUN. @schoggitaler pic.twitter.com/Bi1rqadBnn

Stop Killer Robots
@BanKillerRobots

2nd session begins w approaches to defining lethal autonomous weapons systems. See agenda, speaker list here: bit.ly/24xqpXb #CCWUN

Thomas Nash
@nashthomas

Choice is to respond to challenge of autonomous weapons or abandon the law as it stands @Article36 remarks at #CCWUN reachingcriticalwill.org/images/documen...

Stop Killer Robots
@BanKillerRobots

1st speaker is @gronystuen of @ILPInews, who helped to negotiate @MineBanTreaty, Convention on Cluster Munitions, Arms Trade Treaty #CCWUN
Day 2 at #CCWUN great start with civil society statements. Now time for expert panel.

pic.twitter.com/xhc0bajf6c

Erin Hunt @erinlynnhunt

2 YEARS AGO

Agreement on definitions is rarely needed as a prerequisite for negotiations. @gronystuen

#CCWUN

2 YEARS AGO

Maya Brehm @schoggitaler

Good overview by @gronystuen at #CCWUN of various approaches used in #weapons #law treaties to define what they regulate @WeaponsLaw

2 YEARS AGO
.@gronystuen gives her expert presentation at the #CCWUN meeting today. Are autonomous weapons means or methods? twitter.com/rcw_/status/71...

@gronystuen gives her expert presentation at the #CCWUN meeting today. Are autonomous weapons means or methods? twitter.com/rcw_/status/71...

2 YEARS AGO

@icracnet ICRAC's Lucy Suchman and our friend @WendellWallach at the CCW plenary. They give us great hope #CCWUN pic.twitter.com/xqHecLVWXo

@icracnet ICRAC's Lucy Suchman and our friend @WendellWallach at the CCW plenary. They give us great hope #CCWUN pic.twitter.com/xqHecLVWXo

2 YEARS AGO

Jenks thinks #CCWUN should focus on critical functions rather than getting distracted by the concept of autonomy. #killerrobots

Jenks thinks #CCWUN should focus on critical functions rather than getting distracted by the concept of autonomy. #killerrobots

2 YEARS AGO

#CCWUN @ChrisJenks_SMU Arguing that CCW is not the right place to discuss AWS. Autonomy is a characteristic and not a specific munition

#CCWUN @ChrisJenks_SMU Arguing that CCW is not the right place to discuss AWS. Autonomy is a characteristic and not a specific munition

2 YEARS AGO
Peter Asaro
@PeterAsaro

Lucy Suchman takes the floor @ #CCWUN to discuss situational awareness in human computer interactions @icracnet #KillerRobots

Stop Killer Robots
@BanKillerRobots

3rd speaker is Lucy Suchman, member of @iCRAC, who works to demystify artificial intelligence. List of experts here: bit.ly/1RQRxuW

rboer
@rboer

@gronystuen of @ILPIwmd "Agreement on definitions often late in process, no prerequisite for negotiations" @gronystuen #CCWUN #killerrobots

ICRAC
@StopTheRobotWar

@icracnet Lucy Suchman “The rhetorical claims that are made for AI obscure the real achievements” #CCWUN
Definition of lethal autonomous weapons systems offered by Lucy Suchman to #CCWUN
pic.twitter.com/uHOwQDX9uQ

ICRAC
@StopTheRobotWar

Lucy Suchmann@icracnet Military rules require interpretation - what we call situational awareness. #CCWUN

2 YEARS AGO
@DeniseGarcia100: @icracnet Lucy Suchman @RespRobotics speaking live at the UN in Geneva @BanKillerRobots pic.twitter.com/wglDoVs5z4

DENISE GARCIA @DENISEGARCIA100 2 YEARS AGO

HM Roff @HMRoff
@icracnet’s Lucy Suchman #CCWUN "no empirical evidence" that an AI can assess situational awareness

2 YEARS AGO

ICRAC @StopTheRobotWar
@icracnet Lucy Suchman - the distinction between combatants and civilians is infeasible with machines - needs situational awareness. #CCWUN

2 YEARS AGO

Alexandra Hiniker @alexhiniker
Remember two years ago when #manpanel initiative was launched at #CCWUN? Looks like it made a dent. @BanKillerRobots manpanels.org

2 YEARS AGO
ICRAC’s Lucy Suchman raises doubts about LAWS compliance w. IHL, grounded in tech knowledge @BanKillerRobots #CCWUN pic.twitter.com/N62J6OfQRK

Noel Sharkey @NoelSharkey

@WendellWallach AWS are unpredictable and inherently risky. Software is notoriously unreliable. #CCWUN

Stop Killer Robots @BanKillerRobots

Final expert = @WendellWallach author of A Dangerous Master: How to Keep Technology from Slipping Beyond Our Control bit.ly/1oThIFs

Maya Brehm @schoggitaler

Can the capacities required for lawful killing be reliably & unambiguously coded into machines? >No, #AWS = illegal says #LucySuchman #UNCCW
More water poured into the wine of LAWS proponents by the man @WendellWallach himself @BanKillerRobots #CCWUN #AI #DeepLearning

@WendellWallach #CCWUN: every software fix means you have to retest a system all over again. Prob for AWS? Probably never leave the lab!

Wendell Wallach: Neither predictability nor reliability can be guaranteed in complex autonomous systems. #CCWUN pic.twitter.com/SUw2g3Z4dI

Talks on LAWS at #CCWUN just resumed. I kick-off the 1st expert session with remarks on autonomy in military systems pic.twitter.com/7X0FfGkUQ9

Today is MS Windows patch day! Imagine the risks arising from the inexorably buggy software in weapon systems. Ugh! @BanKillerRobots #CCWUN
Retesting systems that are constantly learning ≠ possible says @WendellWallach at #CCWUN > how to comply with Art. 36 obligation? #IHL

Decision shouldn’t be about whether to prohibit #killerrobots but how broad prohibition should be - @WendellWallach #CCWUN

Question is not whether a prohibition of autonomous weapons systems is required but rather how broad it must be: Wendell Wallach #CCWUN

New Zealand acknowledges that precise definitions of weapons are usually not agreed until negotiations but welcomes discussion #CCWUN

Shout out to #CCWUN tweeters this AM! Esp @erinlynnhunt @PCHannon @BanKillerRobots @HMRoff @ploughshares_ca You make my life better :-)

Now for state discussion of the panel starting with @NZUNGVA sharing their views on definition issues.
Stop Killer Robots
@BanKillerRobots

Human control—be it meaningful, appropriate, or effective—over critical functions of weapons systems must be retained - New Zealand #CCWUN

2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

New Zealand acknowledges profound ethical questions posed by lethal autonomous weapons & relevance of IHL + also human rights, criminal law

@erinlynhunt · 2 YEARS AGO

Erin Hunt
@erinlynnhunt

@NZUNGVA brings up international criminal law as well as international humanitarian law and international human rights law. #CCWUN

2 YEARS AGO

Maya Brehm
@schoggitaler

What role to #CCWUN in regulating #AWS use in policing inside/outside armed conflict? Complex #IHL-#IHRL interaction issues on horizon?

2 YEARS AGO

Thomas Nash
@nashthomas

Remarks by NGOs & Int. Org’s at #CCWUN suggest focus on human control over operation of weapons systems

2 YEARS AGO

HM Roff
@HMROff

#CCWUN "systems will always have a human involved in all targeting decisions" says the UK

2 YEARS AGO
ReachingCriticalWill
@RCW_

Statements from states, international organisations, and civil society at #CCWUN meeting on #killerrobots are at reachingcriticalwill.org/disarmament-fo...

2 YEARS AGO

Project Ploughshares
@ploughshares_ca

UK reiterates that it is not researching systems that would be fully autonomous. #CCWUN

2 YEARS AGO

HM Roff
@HMROff

"Automatic" = defined rules, predictable, and thus not and AWS. Based on this "AWS don't exist and may NEVER exist" says UK. #CCWUN

2 YEARS AGO

ReachingCriticalWill
@RCW_

UK says again that its weapons will always have human control, but is this true? See @Article36's paper article36.org/wp-content/upl... #CCWUN

2 YEARS AGO

HM Roff
@HMROff

"sophisticated automatic weapons" should NOT be regulated says UK #CCWUN. And should not use "meaningful human control" because too opaque

2 YEARS AGO

Thomas Nash
@nassthrough

UK: definitions of lethal autonomous weapons & meaningful human control are fundamental to #CCWUN debate

2 YEARS AGO
But then the UK defines what meaningful human control is? Ironic or hypocritical? #CCWUN

Problematic argument from UK. See our analysis on such arguments against action: reachingcriticalwill.org/disarmament-fo... #CCWUN twitter.com/HMRoff/status/

#UK thinks that ambiguity around meaningful human control means it won't be helpful. Suggests other options #CCWUN pic.twitter.com/pD5l0Lfeii

The UK is not developing AWS; but it also thinks that AWS will never exist. ?? #CCWUN
UK doesn’t pursue #killerrobots nor support preemptive ban. Existing IHL is sufficient. We take on this arg: reachingcriticalwill.org/disarmament-fo... #CCWUN

Don’t legislate against AWS because it would prohibit logistics? The UK clearly forgot the "LETHAL" part of this issue.

Oh, now UK says that it needs AWS to meet non state actor threat. #CCWUN

Heather did a much better job of following this statement than I did but what?

UK tells #CCWUN it does not use term meaningful human control. UK statements do refer to ‘human control’ though. What type of control?

Canada is thinks autonomy is a spectrum. #CCWUN
Canada: not useful to debate definition of autonomy removed from context; more important to define level of human-machine interaction #CCWUN

#Canada asks: What levels of risk might we accept when robots do something? #CCWUN

#Canada also wants to talk about relationship between human and machine. #CCWUN

humans are unpredictable, unreliable, so what is the difference for risk asks Canada. #CCWUN

Lucy Suchman Re: #Canada's question of risk - we don't need to think humans are infallible, critical issue is accountability.

Lucy Suchman: We don't need to imagine perfect humans to understand why autonomous weapons are dangerous. #CCWUN #killerosbots @icracnet
burden of proof that AWS will be predictable and reliable lies with proponents of AWS says Lucy Suchman #CCWUN

Suchman: We do not need to consider humans who are infallible to consider risks of autonomous weapons systems. #CCWUN

Suchman also raises need for burden of proof to be on the proponents of autonomous weapons systems in response to #Canada #CCWUN

@WendellWallach bringing it back to the decision to delegate the task of selecting a target to kill. Word. #CCWUN

Key Q is whether delegating function of targeting & killing to machine can and should be done - too unpredictable @WendellWallach #CCWUN

Much easier to hold unpredictable, unreliable, humans to account. twitter.com/hmroff/status/...
"even though humans can fail, direct comparisons between humans and machines aren't very good." @WendellWallach #CCWUN

@erinlynnhunt

. @WendellWallach responding to Canada IHL needs a decision maker so even though humans can fail the comparison isn't appropriate. #CCWUN

@BanKillerRobots

Missed #UK's detailed intervention due to computer power charging prob. Need to renovate Room XVIII ASAP please @UNGeneva @UNOG_DG #CCWUN

@achesonray

Argument that humans fail therefore machines are no different is disingenuous. Are many risks & moral problems with #killerrobots #CCWUN

@FR_Desarmement

Amb Guitton @ #CCWUN : il est indispensable de progresser vers une caractérisation commune des SALA.

@HMRoff

I can't even begin to follow what France is saying. #CCWUN
Day 2 at CCW

France-Désarmement
@FR_Desarmement

Amb Guitton @ #CCWUN : indispensable to progress towards a common characterization of LAWS

Erin Hunt
@erinlynnhunt

@FR_Desarmement total autonomy and lack of communication with commander would run counter to commander's needs. #CCWUN

ICRAC
@icracnet

Read the ICRAC opening statement to the 2016 #CCWUN Expert Meeting delivered by Juergen Altmann @BanKillerRobots | tinyurl.com/q8yghaf

Stop Killer Robots
@BanKillerRobots

Question from #Canada, an intervention by #France, question from #Russia. We're glad to see interest & these contributions #CCWUN

HM Roff
@HMRoff

the states are jumping in on this session. Definitions = politics = power. #CCWUN
Russia asks @gronystuen about documents showing definitions agreed to at last minute. #CCWUN pic.twitter.com/ifyvw9mnXf

ERIN HUNT @ERINLYNNHUNT · 2 YEARS AGO

Thomas Nash
@nasthomas

My #CCWUN remarks for @Article36 focus on necessary levels of human control for use of weapons to be permissible article36.org/statements/ope...

Thomas Nash @nasthomas · 2 YEARS AGO

HM Roff
@HMRoff

Brazil asking why we should look at current tech when future could be better. #CCWUN

HM Roff @HMRoff · 2 YEARS AGO

ICRAC
@StopTheRobotWar

@icracnet Lucy Suchman progress in situational awareness is an intractable problem. #CCWUN

ICRAC @StopTheRobotWar · 2 YEARS AGO
HM Roff
@HMRoff

Italy is supporting meaningful human control! @Article36 #CCWUN

2 YEARS AGO

HM Roff
@HMRoff

Italy being quite sensible. #CCWUN.

2 YEARS AGO

ICRAC
@StopTheRobotWar

Italy says: Weapons should have a human operator who remains accountable. #CCWUN

2 YEARS AGO

Stephanie Carvin
@StephanieCarvin

FWIW, I care more about complexity & implications for responsibility than meaningful human control. Not that it's easier to define #CCWUN

2 YEARS AGO

Richard Moyes
@rjmoyes

UK proposes "intelligent partnership" as alternative to "meaningful human control" at #UNCCW killer robots talks. Will it get traction?!

@erinlynnhunt - 2 YEARS AGO

Dommages civils
@Dommagescivils

Arms Control Groups Urge Human Control of Robot Weaponry nytimes.com/2016/04/12/tec... #CCWUN

2 YEARS AGO

Mines Action Canada
@MinesActionCan

Our ED @PCHannon’s opening statement to #CCWUN is available online at: wp.me/p3moBs-9r

2 YEARS AGO
Ha! Switzerland is dishing it back to France and the UK about defining themselves out of the problem. #CCWUN

@HMRoff

2 YEARS AGO

@swiss_un: questionable to define LAWS as future abstract possibility; definition shouldn’t draw prejudge acceptability/legality #CCWUN

@RCW_

2 YEARS AGO

More substantive interventions from Italy, Netherlands, Switzerland. Definitions excite at #CCWUN but helping focus state contributions too.

@BanKillerRobots

2 YEARS AGO

Autonomy is a technological continuum ranging from what exists now to future systems; autonomy has potential risks @swiss_un #CCWUN

@RCW_

2 YEARS AGO

Defining autonomous weapons via a specific degree of control might be extremely difficult, perhaps impossible, says @swiss_un #CCWUN

@RCW_

2 YEARS AGO

Switzerland offering a "task" based approach to defining AWS. Not control based. Interesting. I like it. #CCWUN

@HMRoff

2 YEARS AGO
ReachingCriticalWill
@RCW_

.@swiss_un reiterates concern with limiting definition to "lethal" AWs - other AWs can have ethical, IHL, human rights issues #CCWUN

Maya Brehm
@schoggitaler

.@swiss_un advocates for dropping "lethal" qualifier of AWS at #CCWUN> "non-lethal" AWS employed for use of force also raise #legal concerns

Erin Hunt
@erinlynnhunt

.@swiss_un joins in the definition conversation but wants to talk about tasks not control. #CCWUN

ReachingCriticalWill
@RCW_

#India agrees it's not necessary to have agreed definition before carrying forward work on #killerrobots #CCWUN

ReachingCriticalWill
@RCW_

Definitions are either put forward to prohibit or to whitewash #killerrobots, argues #India - it supports neither #CCWUN

Erin Hunt
@erinlynnhunt

Pleased to hear that #India doesn't think that definitions are needed for start of negotiations. #CCWUN
ICRAC
@StopTheRobotWar

sense from @swiss_un - we should drop the ‘L’ from LAWS. They are HAWS = harmful autonomous weapons systems. But 'weapons' covers it #CCWUN

Sean Welsh
@sean_welsh77

@HMRoff #CCWUN Definitions = motion = treaty... though. No definitions = no motion = no treaty...

Michael C. Horowitz
@mchorowitz

Thought the Swiss working paper for #CCWUN was really interesting
twitter.com/HMRoff/status/...  

Noel Sharkey
@NoelSharkey

India says Definitions should not be used as a political tool to create obstacles - thank you India for hitting the right buttons #CCWUN

ReachingCriticalWill
@RCW_

#Pakistan says autonomous weapons should be defined as lethal and autonomous. Meaningful human control definition not appropriate. #CCWUN

Stop Killer Robots
@BanKillerRobots

10 more states want to speak in this session on concepts of approaching definitions but time for lunch so we reconvene at 3:00pm #CCWUN
Very busy day here at lethal autonomous weapons systems meeting at @UNGeneva - pls follow @BanKillerRobots #CCWUN pic.twitter.com/diDrOK0df4

MARY WAREHAM @MARYWAREHAM - 2 YEARS AGO

Article 36's @rjmoyes speaking in next #CCWUN session - background paper to remarks on human control available here: ow.ly/1ozgOc

2 YEARS AGO

And we're back at #CCWUN with @NLinGeneva talking about their definitions.

2 YEARS AGO

Report calls for ban on "killer robots" ottawacitizen.com/news/national/

@PCHannon - 2 YEARS AGO

@WendellWallach tells #CCWUN that it doesn't take a genius to know what we're talking about. #killerrobots pic.twitter.com/Gac9pe4yYZ

ERIN HUNT @ERINLYNNHUNT - 2 YEARS AGO
Back in pm session of #CCWUN meeting on lethal autonomous weapons systems after 2 interesting side event briefings pic.twitter.com/8ihBAUyDqt

Twitter handle: STOP KILLER ROBOTS @BANKILLERROBOTS - 2 YEARS AGO

ICRAC @StopTheRobotWar

@WendellWallach as an observer it seems that everyone knows what AWS are. We don’t need working definitions before negotiations start #CCWUN

Twitter handle: 2 YEARS AGO

HM Roff @HMRoff

China - thinking that everything is evolving, don’t know what AWS is so we cannot go around the issue of a definition as have done #CCWUN

Twitter handle: 2 YEARS AGO

HM Roff @HMRoff

confusion about AWS? Maybe this is because some states define them in such ways that they ARE sci fi so as to obfuscate #CCWUN

Twitter handle: 2 YEARS AGO

Stop Killer Robots @BanKillerRobots

Still waiting for #China to elaborate its view of what a lethal autonomous weapons system is as other # of nations have done here #CCWUN

Twitter handle: 2 YEARS AGO

HM Roff @HMRoff

Japan now wants to have a discussion about what "critical functions" might be or mean. As well as "autonomy"? #CCWUN

Twitter handle: 2 YEARS AGO
SILJA VOENEKY&TEAM
@PublicIntLaw

04.11-15 (Geneva) Conv. on Conventional Weapons (#CCW) 3rd meeting on lethal autonomous weapons systems: a treaty to stop #killerrbots?

Erin Hunt
@erinlynnhunt

Japan says need a working definition before we can tackle the issue. Meaningful human control could be useful but still abstract. #CCW

Noel Sharkey
@NoelSharkey

Poland strongly supports the concept of meaningful human control over weapons as key to CCW discussions. #CCW

SEHLACorg
@SehlacOrg

Armas letales autónomas son un riesgo p/ el dcho a la vida y el ppio de humanidad - @BanKillerRobots @WILPF #CCW twitter.com/bankillerrobot...

ReachingCriticalWill
@RCW_

While working to prevent #killerrbots at #CCW, we're working to prevent gender-based violence thru arms control: reachingcriticalwill.org/resources/publ...

HM Roff
@HMRoff

Egypt: apparently if a human has ANYTHING to do with a machine, that machine is NOT AUTONOMOUS. I think experts in AI would disagree. #CCW
ICRAC @StopTheRobotWar

Egypt: Lethality is essential to LAWS because if enemy stopped without killing it would be legal under IHL. Where can we buy these? #CCWUN

HM Roff @HMRoff

"autonomy" is an unreachable goal and scientists over exaggerate their abilities, according to Egypt. #CCWUN

Meaningful Human Control - if AWS is autonomous - there is no Meaningful Human Control. YES! THAT IS THE POINT. @Article36 #CCWUN

Here comes Ireland. Welcome some sense about human rights. :-) I have faith. #CCWUN

Project Ploughshares @ploughshares_ca

Egypt: If it’s a Fully Autonomous Weapons System then, by definition, there is no human control. #CCWUN

HM Roff @HMRoff

Ireland taking a holistic approach to "autonomous" weapons systems, then look at subsets, not the other way around. #CCWUN
Russia #CCWUN balancing state security interests vs. human rights. I’m wondering if there is a balance at all...

2 YEARS AGO

The idea that we know what LAWS are vs idea autonomy are a spectrum seems to be emerging pinch point at #CCWUN twitter.com/stoptherobotwa...

2 YEARS AGO

#Russia, which has not elaborated it's views on what constitutes a lethal autonomous weapons system, says need a definition now #CCWUN

2 YEARS AGO

#Russia & #Egypt ask 4 clarity on meaning of MHC. @hrw/ @HmnRghtsProgram report sheds light: hrw.org/news/2016/04/1... @BanKillerRobots #CCWUN

2 YEARS AGO

@WendellWallach laying down the SENSE for member states. :-) YAY WENDELL! #CCWUN

2 YEARS AGO

@WendellWallach simplifies def of autonomy - the robot does something independently of user. The CCW is being too complex. #CCWUN

2 YEARS AGO
HM Roff
@HMRoff

Don't fear the terminator... fear the dumb bot. So sayeth @WendellWallach #CCWUN

2 YEARS AGO

AAR Japan 〔難民を助ける会〕
@aarjapan

今回の専門家会合は、ジェンダーバランスにも配慮され、女性の登壇者が増えました。2年前の第1回専門家会合で登壇した専門家は全員男性でした。 #CCWUN #killerrobots manpanels.org
twitter.com/alexhiniker/st...

2 YEARS AGO

Stephanie Carvin
@StephanieCarvin

If there is a balance, pretty sure we don’t want to go with the Russian version... #CCWUN
twitter.com/hmroff/status/...

2 YEARS AGO

ICRAC
@StopTheRobotWar

Chris Jenks disagrees with @WendellWallach - No shared understanding here - you must all accept my definitions. Oh come on Chris!!! #CCWUN

2 YEARS AGO

Stop Killer Robots
@BanKillerRobots

Well done South Korea for facilitating that marathon discussion on definitions & panelists for their presentations, answers #CCWUN

2 YEARS AGO

@Article36 @rjmoYES time for Richard to give his take on meaningful human control
pic.twitter.com/yEmbY4Upb4

HM ROFF @HMROFF .grey @erinlynnhunt 2 YEARS AGO
Part II of the look at definitions of lethal autonomous weapons systems is chaired by #Colombia, features 4 speakers pic.twitter.com/ywLstyA7O6

@STOP KILLER ROBOTS @BANKILLERROBOTS t@erinlynnhunt · 2 YEARS AGO

@icracnet @StopTheRobotWar Delegation to #CCWUN @BanKillerRobots @AlumniNU @NUCSSH pic.twitter.com/mHciAu3dqH

DENISE GARCIA @DENISEGARCIA100 · 2 YEARS AGO

ICRAC @icracnet

Anja Dahlmann @SWPBerlin now presenting a Multidimensional Autonomy Risk Assessment (MARA) in Weapon Systems #CCWUN google.de/url?sa=t&source... 2 YEARS AGO

ICRAC member @rjmoyes @Article36 now elaborating on meaningful human control #CCWUN 2 YEARS AGO

ReachingCriticalWill @RCW_

Anxieties around #killerrobots is based on idea of removing the human element from weapon operation @rjmoyes @Article36 #CCWUN 2 YEARS AGO

ReachingCriticalWill @RCW_

Probably all recognise that some form of human control is necessary, and that it should be substantive @rjmoyes @Article36 #CCWUN 2 YEARS AGO

@Article36 @rjmoyes meaningful human control pic.twitter.com/HcqlK957qt

HM ROFF @HMROFF t@erinlynnhunt · 2 YEARS AGO
Articulations of meaningful human control or appropriate human judgement are subjective until we reach agreement @rjmoyes @Article36 #CCWUN

@machines do not apply legal rules. Humans apply legal rules"

IHL = framework requiring human judgement & control over individual attacks - machines can't apply these rules @rjmoyes @Article36 #CCWUN

Term "attack" = unit of legal management and tactical action; must have boundaries to follow function of law @rjmoyes @Article36 #CCWUN

Maybe a bit of a tangent but: @rjmoyes @Article36 slides are excellent. Big font, not too much text, clear message, easy to follow #CCWUN

As the unit of legal and tactical management, individual attacks must involve legal human judgement @rjmoyes tells #CCWUN
Without affirmation of need for human control, autonomy will expand term "attack" to facilitate more use of force @rjmoyes @Article36 #CCWUN

@rjmoyes @Article36 explaining the concept of attack... with AWESOME graphics. ;-) 
@erinlynnhunt - 2 YEARS AGO

Like I said, excellent slides @rjmoyes @Article36 #CCWUN pic.twitter.com/cd1sQJxPU3
@ICRAC @ICRACNET - 2 YEARS AGO

@rjmoyes worried that autonomous weapons would expand the definition of an attack too wide beyond what we have at the moment. #CCWUN
@RCW_ - 2 YEARS AGO

Agreeing on key elements of human control should be primary focus of international work on #killerrobots - @rjmoyes @Article36 #CCWUN
@RCW_ - 2 YEARS AGO

Key elements of human control: 1) predictable, reliable, transparent technology @rjmoyes @Article36 #CCWUN
@RCW_ - 2 YEARS AGO
Day 2 at CCW

ReachingCriticalWill @RCW_
Key element of human control 2) accurate info for user on outcome sought, the technology, and context of use @rjmoyes @Article36 #CCWUN

ReachingCriticalWill @RCW_
Key element of human control 3) timely human judgement & action and potential for timely intervention @rjmoyes @Article36 #CCWUN

Thomas Nash @nashtomas
4 key elements for human control: technology, info users have, human judgement & action, framework of accountability @rjmoyes #CCWUN

Now @rjmoyes @Article36 on how approach of meaningful human control can be used to address autonomous weapons #CCWUN pic.twitter.com/4ynSbhwGDD

STOP KILLER ROBOTS @BANKILLERROBOTS - 2 YEARS AGO

@rjmoyes outlining key elements of meaningful human control at #CCWUN pic.twitter.com/z6ta7lJj8x

ERIN HUNT @ERINLYNNHUNT - 2 YEARS AGO

ReachingCriticalWill @RCW_
Key element of human control 4) accountability to a certain standard @rjmoyes @Article36 #CCWUN

2 YEARS AGO
Day 2 at CCW

@RCW_

Working definition of LAWS: "weapon systems with elements of autonomy operating without meaningful human control" @rjmoyes @Article36 #CCWUN

2 YEARS AGO

@aarjapan

キラーロボット反対キャンペーン @BanKillerRobots 運営団体 @Article36 リチャード・モイス @rjmoyes がパネルに登壇しています。テーマは引き続き"Towards a Working Definition of LAWS" #CCWUN

2 YEARS AGO

@BanKillerRobots

3rd presenter is Merel Ekelhof from the Netherlands, who has different take on approaching definitions to lethal autonomous weapons #CCWUN

2 YEARS AGO

@StopTheRobotWar

Merel Ekelhoh Dutch MoD used to be ICRAC youth and PAX intern. Now AWS may be OK if targeting process is correct - sigh! #CCWUN

2 YEARS AGO

@nashthomas

#CCWUN presentation by @rjmoyes comes as concept of meaningful human control gains traction as boundary for un/acceptable weapons systems

2 YEARS AGO

@BanKillerRobots

4th expert is Dan Saxon, also from a university in the Netherlands, on approach of human judgement in considering definitions #CCWUN

2 YEARS AGO
ICRAC @StopTheRobotWar

@rjmoyes killed it with his discussion of meaningful human control but there appears to be selective deafness in this room #CCWUN

2 YEARS AGO

ReachingCriticalWill @RCW_

Appropriate human judgement implies at least temporary forfeit of our judgement to machines - Dan Saxon #CCWUN

2 YEARS AGO

Ray Acheson @achesonray

Excellent presentation by @rjmoyes @Article36 on need for and parameters of meaningful human control over weapon systems #CCWUN

2 YEARS AGO

Erin Hunt @erinlynnhunt

And we’re on to debate with states after the expert presentations starting with #SierraLeone looking at functions. #CCWUN

2 YEARS AGO

Noel Sharkey @NoelSharkey

Great intervention from Sierra Leone: All weapons today could be turned into AWS. What can we do to end this? #CCWUN

2 YEARS AGO

AAR Japan [難民を助ける会] @aarjapan

会議は10時～18時なのでですが、毎日微妙に最後までPCの充電がもちません。ずっとTwitterしてるからですが。。。各席に電源つかないかなー。#CCWUN

2 YEARS AGO
Stop Killer Robots
@BanKillerRobots

Starting Q & A with Sierra Leone proposes ID functions in weapons systems that should remain under human control. #UK has a Q for @rjmoyes

2 YEARS AGO

ICRAC
@StopTheRobotWar

UK says @rjmoyes example was illegal under current IHL. How can you say that the adoption of autonomy would lead to more collateral. #CCWUN

2 YEARS AGO

Erin Hunt
@erinlynnhunt

Now #UK asks @rjmoyes about his argument that adopting autonomous tech could expand attack. #CCWUN

2 YEARS AGO

ICRAC
@StopTheRobotWar

Good answer from @rjmoyes to UK. AWS may be wide area search over long time period. Difficult to make legal determination. #CCWUN

2 YEARS AGO

Erin Hunt
@erinlynnhunt

I think @rjmoyes is saying that Autonomy could allow an attack to expand space or time. #CCWUN

2 YEARS AGO

ICRAC
@StopTheRobotWar

US: we should be clear about what concept of LAWS is being discussed - it doesn’t need to be formal #CCWUN

2 YEARS AGO
Panel discussion lead by Colombian Amb. Good intros Moyes art36 & Merel Ekelhof (human control in targeting process) pic.twitter.com/WUMtRZM1HR

US seeks to explain what it means by appropriate levels of human judgement and how it relates to meaningful human control #CCWUN

And the #US has statement on human control or human judgment. They will explain appropriate levels of human judgement. #CCWUN

Autonomous and semi-autonomous weapons to allow human operators appropriate levels of human judgement over use of force - USA #CCWUN
This is at design level. Weapons can then select and engage targets without further involvement of human operator. - USA #CCWUN

#US statement articulates why uses appropriate levels of human judgement over the use of force, citing @DeptofDefense policy #CCWUN

Weapons must be used lawfully and appropriately within rules of engagement. No one size fits all standard for human control. - USA #CCWUN

The US thinks there is no one side fits all amount of human judgement. #CCWUN
pic.twitter.com/0j6TclZgbL
ICRAC
@StopTheRobotWar

US: Appropriate levels of human judgement over use of force. Appropriate may seem vague but it will vary by type of weapon system. #CCWUN

Ray Acheson
@achesonray

Wondering about US "flexible policy standards" - should there really be flexibility when it comes to human control over weapons? #CCWUN

Erin Hunt
@erinlynnhunt

I'm going with no. #CCWUN twitter.com/achesonray/sta...

ReachingCriticalWill
@RCW_

US agrees with necessity of humans in development and use of LAWS but appropriate levels of human judgement is better term - USA #CCWUN

Mark Gubrud
@mgubrud

DODD 3000.09 makes clear that "appropriate levels" standard DOES NOT bar fully autonomous #KillerRobots that select & kill people. #CCWUN

ICRAC
@StopTheRobotWar

Dan Saxon did a great hatchet job on US appropriate levels of human judgement. #CCWUN
ICRAC @icracnet

#China raising numerous questions. Interesting also due to their use of the term #KillerRobots @BanKillerRobots #CCWUN

2 YEARS AGO

Great to be back @UNGeneva filming the tireless work of @BanKillerRobots campaign at #CCWUN @JodyWilliams97 speaking pic.twitter.com/qXKLg27Tup

SHARRON WARD @KATALYSTPRODS · 2 YEARS AGO

Stop Killer Robots @BanKillerRobots

Good suggestion from Dan Saxon for #CCWUN to consider Q of possible development of swarms of multiple lethal autonomous weapons #CCWUN

2 YEARS AGO

Stop Killer Robots @BanKillerRobots

Thanks for the productive debate at #CCWUN today and substantive interventions by #US & other states says @rjmoyes @Article36

2 YEARS AGO

U.S. Mission Geneva @usmissiongeneva

U.S. Delegation Statement on “Appropriate Levels of Human Judgment” #CCWUN geneva.usmission.gov/2016/04/12/u-s...

2 YEARS AGO

Mark Gubrud @mgubrud

US statement to #CCWUN : "LAWS can be used, not only lawfully, but also appropriately..." geneva.usmission.gov/2016/04/12/u-s... #KillerRobots

2 YEARS AGO
Day 2 at CCW

ReachingCriticalWill
@RCW_
Check out our third report from the #CCWUN meeting on #killerrobots for the latest info on autonomous weapon talks! reachingcriticalwill.org/images/documen...
2 YEARS AGO

Kjølv Egeland
@kjolvegeland
A serious talk on #CCWUN by @achesonray reachingcriticalwill.org/images/documen...
2 YEARS AGO

Stop Killer Robots
@BanKillerRobots
Tomorrow’s #CCWUN meeting focuses on weapons reviews & legal challenges posed by lethal autonomous weapons systems unog.ch/80256EDD006B89...
2 YEARS AGO

A 1-minute summary of Day 2 at #CCWUN meeting on autonomous weapons systems, @UNGeneva
youtu.be/99qavfhMxe4 Thanks @MinesActionCan
MARY WAREHAM @MARYWAREHAM · 2 YEARS AGO
Luc Dockendorf
@LucDockendorf

#CCWUN: where arms control and superintelligence control nerds go to geek out together.
#LAWS #AI @BanKillerRobots twitter.com/flixrisk/statu...