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Dignity, ubuntu, humanity and autonomous weapon systems (AWS) debate: an African perspective

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Dignity, ubuntu, humanity and autonomous weapon systems (AWS) debate: an African perspective

Dignidade, ubuntu, humanidade e o debate sobre o sistema de armas autônomas: uma perspectiva africana

Thompson Chengeta**

Abstract

In this paper, I discuss the relevance of the African notion of 'ubuntu' or humanity to the on-going AWS debate. After tracing the notion of ubuntu back to the pre-colonial time in Zimbabwe and how it developed into a political and humanist philosophy, I discuss its relevance in international law by reference to the impact of its equivalent notion of humanity to international human rights, humanitarian and criminal law. I also note that scholars who argue for the exclusion of the notion of humanity from the AWS debate base the argument either on the idea that the notion is inadequately defined or that humanity as a notion is so vague to the extent that relying on it will have disastrous results. In response to this argument, I seek to define the term humanity and linking it to human dignity in a bid to show that the term is capable of meaning. After defining what ubuntu or humanity means as shaped by human dignity, I come to the conclusion that giving robots the power to decide who lives or dies is inconsistent with ubuntu and an affront to human dignity. I also emphasise that African states should more fully participate in the on-going debate on AWS and share their experience with the notion of ubuntu with the rest of the world.

Keywords: Autonomous Weapon Systems. Killer robots. Dignity. Ubuntu. Humanity. Martens Clause.

THE RELEVANCE OF THE NOTION OF UBUNTU/HUMANITY TO THE AUTONOMOUS WEAPON SYSTEMS DEBATE: AN AFRICAN PERSPECTIVE.

A person is a person through other people... Humanity is not embedded in my person solely as an individual; my humanity is co-substantively bestowed upon the other and me. Humanity is a quality we owe to each other. We create each other and need to sustain this otherness creation. And if we belong to each other, we participate in our creations: we are because you are, and since you are, definitely I am. The 'I am' is not a rigid subject, but a dynamic self-constitution dependent on this otherness creation of relation and distance.¹

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^{*} Recebido em 28/06/2016 Aprovado em 26/08/2016

¹ ONYEBUCHI, M. Eze. Community of Life: ecological theology in african perspective,

1. INTRODUCTION

The development of unmanned systems that are remotely controlled and those with increased autonomy in their critical functions has been a worry to the international community for more than a decade now. The idea to develop autonomous weapon systems with increased autonomy in their critical functions (AWS) - machines that once activated are able to make the decision to kill humans without further human intervention - has sparked heated debates across the globe. The old adage, 'technology is a double-edged sword'² has never, in the history of weapon development, been more pertinent than it is with AWS. On one hand, AWS clearly promise a potential to save lives - to make a change to the unacceptable current state of affairs in armed conflict and elsewhere - where force is used. At the same time, AWS pose potential threats to the right to life, dignity and other important rights. With the technology still in the preliminaries of development and yet to be deployed, it is as difficult to ascertain whether AWS are legal or illegal weapons as it is to brand their deployment ethical or unethical, moral or immoral when they become available. It is these uncertainties that have left scholars, organisations, states and the international community at large divided on how to respond to AWS.

In this paper, I seek to discuss the relevance of the African notion of 'ubuntu' or humanity to the AWS debate. Ubuntu as an ideology and political philosophy has informed many African governments' policies especially those that relate to human rights. I refer to the discussion on AWS from a humanist perspective as an African perspective on the technology generally because humanity – which is the equivalent of Ubuntu – on the African continent is not only a strong notion on the continent but it has served to shape many African communities and African government policies. This, of course, is not to say that the humanistic approach is exclusive to the African continent.

2. BACKGROUND

Before discussing how the African notion of ubuntu or humanity can impact on the AWS debate, it is important to give a background to this issue. Distancing oneself from harm, albeit being the projector of it, has been and remains an inherent attribute of human beings. The desire to project harm while being insusceptible to it has largely shaped the development of weapons over the years. Currently, unmanned weapon systems are the epitome of that desire as states have been allocating huge budgets³ for the development of various sophisticated unmanned weapon systems and increasing their operational autonomy⁴.

An unmanned weapon system – which can be a ground or an aircraft system, remotely controlled or autonomous – is 'a powered physical system with no human operator aboard the principal platform' and is capable of carrying and delivering a lethal or non-lethal pay-load. Remotely controlled unmanned systems have no human physically on board although they are controlled by a human from a distance.

On the other hand, in the case of autonomous weapon systems, not only are humans not physically present but they are also psychologically absent as they are not in control of the critical functions of the system. Critical functions of an autonomous weapon system refer to the functions that relate to the selection, targeting and making the decision to kill a human being⁵.

The reason why sates are developing autonomous weapon systems is because these systems are not only technically faster, smarter and better than humans, but they offer a number of military advantages like force multiplication and tremendous capacity to do the dirty, dull, dangerous work thereby reducing risk to the lives of one's own soldiers. Further, since these robots will not act out of malice, they can potentially save the lives of civilians.

^{2008.}

² We have to realize that science is a double-edged sword. One edge of the sword can cut against poverty, illness, disease and give us more democracies, and democracies never war with other democracies, but the other side of the sword could give us nuclear proliferation, bio-germs and even forces of darkness.' See Michio Kaku available at: http://www.brainyquote.com/quotes/keywords/sword.html. Accessed: 2 Aug. 2015.

³ See: http://military.discovery.com/weapons-technology. Accessed: 29 Jan. 2015.

⁴ See United States Air Force 'UAS Flight Plan 2009-2047', 2009, 41. Available at: http://www.scribd.com/doc/17312080/United-States-Air-Force-Unmanned-Aircraft-Systems-Flight-Plan-20092047-Unclassified>. Accessed: 29 Jan. 2015.

⁵ See Report of the ICRC Expert Meeting on 'Autonomous weapon systems: technical, military, legal and humanitarian aspects', 26-28 March 2014, Geneva, available at: http://www.icrc.org/eng/assets/files/2014/expert-meeting-autonomous-weapons-icrc-report-2014-05-09.pdf>.

Notwithstanding these advantages, AWS also raise questions as to whether they can be able to comply with the law⁶. Further, scholars question the ethics and morality of deploying weapon systems that can make the decision to kill a human being without the assistance of a human⁷.

3. STATUS OF THE TECHNOLOGY

It is important to note, however, that at present AWS with full autonomy have not yet been deployed and do not exist. There are, however, advanced development of the technology. The US, the UK, Israel and North Korea possess robots that already function semi--autonomously⁸.

For many years, the idea of robots that have the ability to independently make decisions to kill without the help of humans has been restricted to the fictitious world of novels9 and movies10. Humans' wariness about lethal robots that can autonomously decide to kill is often depicted in story lines that involve terrifying situations where robots massacre humans or robots initially designed to assist humans end up turning against them.

Until in recent years, scholarly discussion on such kind of robots could not be taken seriously as many people believed and hoped that they would remain the art of fiction and never see the light of the day¹¹. That hope is, however, fading away since autonomous weapon systems are looming on the horizon of the real world. As noted above, military semi-autonomous robots are already in the employ of some states.

Malfunctioning of military robots and some turning against their own users has already been experienced in the real world¹². For example, in 2007, during a training session in South Africa, one of the robot cannons mysteriously started firing on its own, killing nine South African soldiers and wounding 14¹³. In the Iraq war in 2008, ground kill-droids were reported to have 'turned on their fleshy masters almost at once [leading to the] rebellious machine warriors [being] retired from combat pending upgrades.^{'14}.

4. THE RESPONSE TO AWS TECHNOLOGY SO FAR - AN ABSENCE OF AFRICAN SCHOLARSHIP

In April 2013, Human Rights Watch and other human rights NGOs¹⁵ came together to form the 'Campaign to stop Killer robots' (CKR)¹⁶ - a non-governmental organisation whose mandate is to crusade 'for a pre-emptive and comprehensive ban on the development, production, and use of fully autonomous weapons, also known as lethal autonomous robots.²¹⁷ Human Rights Watch has also published a number of reports outlining the concerns in the ever increasing au-

⁶ See KRISHNAN, A. Killer robots: legality and ethicality of autonomous weapons. Ashgate Publishing, 2013; MARCHANT, G. et al. International governance of autonomous military robots. Columbia Science and Technology Law Review, v. 280, n. 12, 2011.

See ARKIN, R. Governing lethal behaviour: embedding ethics in 7 a hybrid deliberative/reactive robot architecture. Technical Report GIT-GVU, 2011. FINN, A.; SCHEDING, S. Developments and challenges for autonomous unmanned vehicles: a compendium. Springer Science & Business Media, 2010.; LIN P. et. al. Robot ethics: the ethical and social implications of robotics. MIT Press, 2011.; SINGER, P. W. Wired for war: the robotics revolution and conflict in the 21st century. Penguin, 2009.; SPRINGER, P. J. Military robots and drones. ABC-CLIO, 2013.; ASARO, P. How just could a robot war be? In: BREY P. et. al. (Ed.). Current issues in computing and philosophy. IOS Press, 2008.; ANDERSON, K.; WAXMAN, M. Law and ethics for robot soldiers. American University WCL Research, v.32, iss. 18, 2012.; SHARKEY, N. The evitability of autonomous robot warfare. International Review of the Red Cross, 2012.

⁸ Semi-autonomous systems are defined as 'a weapon system that, once activated, is intended to only engage individual targets or specific target groups that have been selected by a human operator.'- US Department of Defense Autonomy in Weapon Systems. Directive 3000.09, 2012, 14 available at: http://www.dtic.mil/whs/ directives/corres/pdf/300009p.pdf>. Accessed: 3 Jan. 2013.

⁹ See novels like I, Robot (1950), The Caves of Steel (1953), The Naked Sun (1955), The Robots of Dawn (1983) and Robots and Empire (1985).

See for example 'Star wars: a new hope', 'The Termina-10 tor', 'Robocop' and 'Forbidden Planet'.

KRISHNAN, A. Killer robots: legality and ethicality of auton-11 omous weapons. Ashgate Publishing, 2013.

¹² WEINBERGER, S. Charity battles imaginary killing machines, 2008. Available at: <http://www.wired.com/2008/03/charity-will-ba/>.

¹³ SHACHTMAN, N. Robot cannon kills 9, wounds 14, 2007. Available at: <http://www.wired.com/dangerroom/2007/10/robotcannon-ki/>.

¹⁴ PAGE, L. US war robots in Iraq 'turned guns' on fleshy comrades: killdroid rebellion thwarted this time, 2008. Available at: < http://www. theregister.co.uk/2008/04/11/us_war_robot_rebellion_iraq/>.

¹⁵ Article 36, Association for Aid and Relief Japan, International Committee for Robot Arms Control, Mines Action Canada, Nobel Women's Initiative, IKV Pax Christi Pugwash Conferences on Science & World Affairs, Women's International League for Peace and Freedom.

¹⁶ All the major activities of the CKR are available on their website, see: <http://www.stopkillerrobots.org>.

¹⁷ See: <http://www.stopkillerrobots.org/call-to-action/>. Accessed: 30 May 2013.

tonomy in weapon systems¹⁸.

The call to ban AWS has been supported by the European Parliament (EP). The EP adopted Resolution 2014/2567(RSP) which in part calls for a ban on 'the development, production and use of fully autonomous weapons which enable strikes to be carried out without human intervention.²¹⁹.

At the same time, there are other commentators who argue that there is no basis in terms of the law to ban AWS and, in fact, a ban may be prejudicial in light of the possible positive advantages that AWS may bring²⁰. Ron Arkin, for example, argues that 'a ban ignores the moral imperative to use technology to reduce the persistent atrocities and mistakes that human war fighters make.²¹. To Arkin, a ban is, at the very least, premature²².

In May 2013, the United Nations Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, submitted a report on AWS to the Human Rights Council (HRC) wherein he noted the advantages and concerns on AWS. Heyns compiled his report after holding expert consultation meetings on AWS earlier in 2012 and 2013 with roboticists, military experts, philosophers and international lawyers²³. In his 2013 report, Heyns called for an international moratorium on 'the testing, production, assembly, transfer, acquisition, deployment and use of AWS until such time as an internationally agreed upon framework for the future of AWS has been established.²⁴.

Not only did Heyns' 2013 report on AWS introduce the subject matter in the HRC, but it sparked a serious debate on the issue amongst states and has since become one of the basic references whenever and wherever the issue of AWS is discussed. Less than a month after Heyns' presentation in the Human Rights Council, on 17 June 2013; the United Kingdom's House of Commons tabled the issue of AWS²⁵. As will be discussed below and largely in response to Heyns report, states parties to the Convention on Conventional Weapons took up the matter in late 2013 and held a meeting on lethal autonomous weapon systems in May 2014 and subsequently in April 2015.

The International Committee of the Red Cross (ICRC) has also seized the matter of AWS. From 26 to 28 March 2014, the ICRC held an expert meeting on autonomous weapon systems. The meeting was attended by 21 states and 13 independent experts amongst them jurists, ethicists, roboticists, and representatives of non--governmental organisations and the United Nations. The major aim of the meeting was 'to better understand the issues raised by autonomous weapon systems and to share perspectives among government representatives, independent experts and the ICRC.'26 This meeting followed the ICRC earlier publication titled 'New technologies and warfare' which discusses 'new weapons, means and methods of warfare to help governments fulfil their obligation to ensure that the use of new weapons, means or methods of warfare comply with the rules of [international humanitarian law'27. The ICRC presented a report of the March meeting to the May 2014 CCW Meeting on Lethal Autonomous Weapon Systems²⁸.

In November 2013, at the 2013 Convention on Conventional Weapons (CCW) Meeting of High Contracting Parties, a new mandate on lethal autonomous weapons systems (LAWS) was agreed on.

¹⁸ HUMAN Rights Watch. Losing Humanity: The case against killer robots. 2012. Available at: ">http://www.hrw.org/reports/2012/11/19/losing-humanity-0>.

¹⁹ Resolution available at: http://www.europarl.europa.eu/sides/ getDoc.do?pubRef=-//EP//NONSGML+MOTION+P7-RC-2014-0201+0+DOC+PDF+V0//EN. accessed 5 March 2014.

²⁰ ANDERSON, K.; WAXMAN, M. Law and ethics for autonomous weapon systems: why a ban won't work and how the laws of war can. *American University Washington College of Law Research Paper*, v. 3, 2013.

²¹ ARKIN, R. C. Lethal autonomous systems and the plight of the non-combatant. Ethics and Armed Forces, v. 9, 2014.

²² ARKIN, R. C. Lethal autonomous systems and the plight of the non-combatant. Ethics and Armed Forces, v. 9, 2014.

²³ The expert consultation meetings were held in South Africa, at the Institute for International and *Comparative Law in Africa of University of Pretoria and at the European University* Institute in Florence, Italy, organised by the New York University Law School.

²⁴ See http://www.ohchr.org/Documents/HRBodies/HRCouncil/RegularSession/Session23/A-HRC-23-47_en.pdf. Accessed: 19 Mar. 2014.

²⁵ See http://www.publications.parliament.uk/pa/cm201314/ cmhansrd/cm130617/debtext/130617-0004.htm. Accessed: 23 Sept. 2013.

²⁶ See: http://www.icrc.org/eng/resources/documents/ report/05-13-autonomous-weapons-report.htm>. Accessed: 27 Jun. 2014.

²⁷ ICRC. Humanitarian debate: law, policy and action: new technologies and warfare. International Review of the Red Cross, v. 886, n.94, 2012.; ICRC. A guide to the legal review of new weapons, means and methods of warfare: measures to implement article 36 of additional protocol I of 1977. International Review of the Red Cross, v. 88, n. 864, 2006.

²⁸ See: <http://www.icrc.org/eng/resources/documents/ report/05-13-autonomous-weapons-report.htm>. Accessed 28 June 2014.

According to the mandate;

A Chairperson will convene in 2014 a four-day informal Meeting of Experts, from 13 to 16 May 2014, to discuss the questions related to emerging technologies in the area of lethal autonomous weapons systems, in the context of the objectives and purposes of the Convention. He will, under his own responsibility, submit a report to the 2014 Meeting of the High Contracting Parties to the Convention, objectively reflecting the discussions held²⁹.

From 13 to 17 May 2014, the CCW held an expert meeting on lethal autonomous weapon systems which was chaired by Ambassador Jean-Hugues Simon-Michel of France.³⁰ In the meeting, representatives of States parties to the CCW, non-governmental organisations, the European Union, United Nations Institute for Disarmament Research (UNIDIR), the United Nations Office of Disarmament Affairs (UNODA), International Committee of the Red Cross, Geneva Academy of International Humanitarian Law and Human Rights, Institute of International and Comparative Law in Africa, International Institute of Humanitarian Law, International Studies Association (ISA), Nanzan University Japan, Graduate Institute of International Development Studies (IHEID), Peace Research Institute Frankfurt (PRIF), University of Strasbourg, New York University, University of St. Gallen and independent experts like jurists, ethicists and roboticists discussed the 'technical issues; ethics and sociological issues; international humanitarian law (IHL); other areas of international law; and operational and military aspects' of lethal autonomous weapon systems³¹.

At the end of the CCW meeting, delegations highlighted that although the meeting had to some extent formed common understandings in certain aspects, some of the important questions and concerns noted above still remained unanswered. It was therefore agreed that the issue must be taken further during the next meeting of High Contracting Parties to the CCW in 2014 and the debate must be continued³². The material containing the positions of member states and the presentations of experts is available on the CCW website³³. A follow up meeting was recently held in April 2015 wherein various experts, organisations and states made their presentations on the issue of AWS³⁴.

What is striking is that in most of the UN meetings on AWS, a few African states participated. This is where I am arguing that participating of African states in some of these debates is fundamental. Certain African values, notions and perceptions need also to be filtered in whenever important issues are discussed and policies formulated. As will be argued below, some of these weapons and the regulation thereof end up affecting some African countries even if they did not participate in their development or formulation.

5. AFRICAN UBUNTUISM/HUMANISM AND AWS

Before articulating how the notion of *ubuntu* is impacted by the development and deployment of autonomous systems, it is important to briefly articulate what the term *ubuntu* means and also trace its origins. It should be stressed however, that the ultimate goal is to measure whether AWS without meaningful human control are in line with the African notion of Ubuntu or otherwise humanity. Expectedly, the discussion will not only focus on Ubuntu and humanity but also on the right to dignity which is an integral part of humanity.

In Africa, the roots of *ubuntu* as an ideology and a political philosophy can be traced back to Zimbabwe's independence struggle against colonial domination. *Ubuntu* is a *Nguni* term which is equivalent to *unhu* or *hunhu*, which are words from the Shona language that is spoken by the majority of people in Zimbabwe. In 1980, just as Zimbabwe was gaining its independence, a Zimbabwean author, JWT Samkange, published the

²⁹ See: <http://www.unog.ch/80256EE600585943/%28httpPag es%29/6CE049BE22EC75A2C1257C8D00513E26?OpenDocume nt>. Accessed 27 June 2014.

³⁰ See: <http://www.unog.ch/80256EE600585943/%28httpPag es%29/6CE049BE22EC75A2C1257C8D00513E26?OpenDocume nt>. Accessed 27 June 2014.

³¹ See Report of the 2014 informal Meeting of Experts on Lethal Autonomous Weapons Systems (LAWS), Available at: <http://www.unog.ch/80256EDD006B8954/%28httpAssets% 29/350D9ABED1AFA515C1257CF30047A8C7/\$file/Report_ AdvancedVersion_10June.pdf>. Accessed: 27 Jun. 2014.

³² See Report of the 2014 informal Meeting of Experts on Lethal Autonomous Weapons Systems (LAWS), Available at <http://www.unog.ch/80256EDD006B8954/%28httpAssets% 29/350D9ABED1AFA515C1257CF30047A8C7/\$file/Report_ AdvancedVersion_10June.pdf>. Accessed 27 Jun. 2014.

³³ See: <http://bit.ly/1jSlCro>. Accessed: 27 Jun. 2014.

³⁴ See: 2015 Expert Meeting on LAWs Available at: <http:// www.unog.ch/80256EE600585943/%28httpPages%29/6CE049B E22EC75A2C1257C8D00513E26?OpenDocument>. Accessed: 20 May 2015.

first literature articulating *ubuntu* as a philosophical concept upon which governance must be based³⁵.

Literally understood, the word *ubuntu* is a combination of the root *-ntu* which means a person or human being with the prefix *ubu-* thereby forming abstract nouns³⁶. In this sense, the term *ubuntu* is the equivalent of 'humanity'. During the armed struggle against colonial domination in Zimbabwe, the term was understood to mean such things as 'human nature, humanness, humanity; virtue, goodness, kindness', virtues that were associated with those who supported the struggle of the black majority against white minority domination³⁷. Then, especially in the 1970s, the term 'ubuntu' denoted a special kind of 'African humanism' the kind only found in blacks but completely lacking in whites. Even in present day Zimbabwe, sometimes the term 'munhu' is used exclusively to refer to a black person.

However, by 1980, perceptions of what 'ubuntu' or 'hunhu' means gained a wide interpretation to include every human being. For example, Samkange espoused three factors that underlie Hunhuism or Ubuntuism:

> "To be human is to affirm one's humanity by recognizing the humanity of others and, on that basis, establish respectful human relations with them."

> 'If and when one is faced with a decisive choice between wealth and the preservation of the life of another human being, then one should opt for the preservation of life'.

> "The king owes his status, including all the powers associated with it, to the will of the people under him". 38

In the modern day Zimbabwe, virtues go into what constitutes 'unhu', these include but not limited to the following: respecting others, sharing provisions with others, dressing properly, respecting elders³⁹. Further-

more, in a cutting edge example against individualism, elderly people must be called by their surnames instead of their first names. In this sense, individualism is banished and replaced by a representative role, in other words, an individual stands for his relatives or those who share the same name with him⁴⁰. In such scenarios, it is observed that the 'individual identity is replaced with the larger societal identity within the individual' where 'families are portrayed or reflected in the individual and this phenomenon is extended to villages, districts, provinces and regions being portraved in the individual.⁴¹. The effect of this setup is that individuals are constantly forced to be in good behaviour since not only their name will be in jeopardy but the name of their family, village or whatever the case may be. It is in the same sense that the behaviour of daughters in law - known as varoora - is considered to be reflective of her family or the people who raised her. Ubuntu or 'hunhu' is the sacrosanct of togetherness, a notion under which there are no orphans since children belong to the whole village or community.

The notion of Ubuntu did not remain in Zimbabwe; it spilt across borders and spread across the African continent. For example, in South Africa, ubuntu was a guiding star during the transition from apartheid to majority rule. The South African legislature saw it fit to include the term in the Interim Constitution of South Africa where it categorically stated that 'there is a need for understanding but not for vengeance, a need for reparation but not for retaliation, a need for *ubuntu* but not for victimization.²⁴².

In South Africa and during Nelson Mandela's presidency, the notion of 'ubuntu' was popularised in English literature by Desmond Tutu who saw the ubuntu as 'the essence of being human' and 'the fact that you can't exist as a human being in isolation.²⁴³.

The South African judiciary has also invoked the notion of ubuntu in the judgments of South African courts. For example, in the hate speech trial of Julius Malema, the court noted that ubuntu among other thin-

³⁵ See SAMKANGE, J. W. T. *Hunhuism or Ubuntuism:* a Zimbabwe indigenous political philosophy, 1980.

³⁶ See also Zulu noun classes on Wiktionary.

³⁷ See SAMKANGE, J. W. T. *Hunhuism or Ubuntuism:* a Zimbabwe indigenous political philosophy, 1980.

³⁸ See SAMKANGE, J. W. T. *Hunhuism or Ubuntuism:* a Zimbabwe indigenous political philosophy, 1980.

³⁹ As far as sharing provisions is concerned, Nelson Mandela had this to say about Ubuntu: 'A traveller through a country would stop at a village and he didn't have to ask for food or for water. Once he stops, the people give him food and attend him. That is one aspect of Ubuntu, but it will have various aspects. Ubuntu does not mean that people should not enrich themselves. The question therefore is: Are you going to do so in order to enable the community around you to be able to improve?'

⁴⁰ See: https://en.wikipedia.org/wiki/Ubuntu_%28philosophy%29>. Accessed: 5 August 2015.

⁴¹ See: <https://en.wikipedia.org/wiki/Ubuntu_%28philosophy%29>. Accessed: 5 August 2015.

⁴² GADE, C. B. N. The historical development of the written discourses on ubuntu. South *African Journal of Philosophy, v.* 30, n.3, p. 303–329.

⁴³ DESMOND, T. No Future without forgiveness. 1999.

gs denotes distaste for vengeance and promotion of reconciliation; a society where high and equal value is placed on every person; a society within which dignity is a right accorded to everyone; a community where members are compassionate, humane and respect each other; good attitude towards one another and shared concern; restorative rather than retributive justice and 'favours civility and civilised dialogue premised on mutual tolerance.²⁴⁴. Along these lines, I will question whether giving a machine the power to decide who lives and who dies is in line with the Ubuntu notion that equal value must be placed on every human being and that every person must be treated not only with compassion but dignity.

Ubuntu philosophy was also further developed in Malawi where for example, Malawian author Thomas Msusa notes in Chichewa that 'kali kokha nkanyama, tili awiri ntiwanthu' – literally translated to mean 'when you are on your own you are as good as an animal of the wild; when there are two of you, you form a community.²⁴⁵. To this end the notion of Ubuntu emphasise the idea of togetherness, of recognising the similarities and values we share as human beings. On account of those similarities and values, even when one is your enemy, at no point shall you treat that person like vermin, the kind upon which you can wantonly unleash some kind of mechanised pesticide!

At the regional level, the notion of Ubuntu, togetherness and importance of the group can even be noted where the African member states drafted the human rights Charter for the continent. The charter is uniquely styled 'African Charter on Human and *Peoples*' rights', being the first to emphasise on 'peoples' – clearly upholding the 'I am because we are' notion. This notion of ubuntu has also found its way to other continents where it is repeatedly cited in diplomatic conferences including those that are organised by the UN.

Now that the African notion of Ubuntu is the equivalent of humanity, it is important to discuss what the place of humanity in international law. That discussion is important because it can help pinpoint where Ubuntu or humanity has already informed the formulation of certain rules even at the international law. This helps to emphasise the relevance of Ubuntu or humanity to the debate on autonomous weapon systems.

6. UBUNTU/HUMANITY IN INTERNATIONAL LAW

The spirit of humanity gives international law its philosophical foundation⁴⁶.

For a very long time, lawyers, judges, special rapporteurs and policy makers have attempted to define what is meant by humanity or principles of humanity. At the international level, it is difficult to ascertain exactly when and where the concept of humanity originated. I have already pointed out above that on the African continent, the notion of Ubuntu or humanity as a philosophy can be traced to the colonial era in Zimbabwe. As for Europe, there is a number of scholars suggesting that it originated with Greek sophists where 'humanitas' was equated with the ability of man to reason as 'mankind's distinguishing feature.²⁴⁷. For example, according to Cicero, the only contrast among humans was not that of Romans and Barbarians but rather of 'humanity and inhumanity.²⁴⁸.

As I have already pointed out above in relation to the African continent where Ubuntu plays an important role in many government policies, trying to ascertain the definition of humanity or what it entails is not an 'academic pursuit' – it is important because the term plays an important role in the governance of armed conflict, law enforcement situations or wherever weapons are used⁴⁹. It is in this sense that Robin Coupland has noted that humanity governs the 'abilities of humans to make and use weapons and, in parallel, to restrain the use thereof.²⁵⁰. From a humanitarian perspective, Robin

⁴⁴ See *Afri-Forum and Another v Malema and others*, 23 (The Equality Court, Johannesburg 2011).

⁴⁵ T Msusa ': On Malawi's 44th Independence Anniversary, Paulo Freire, Critical Pedagogy, Urban Education, Media Literacy, Indigenous Knowledges, Social Justice.

⁴⁶ See Written Statement of the Government of Japan in the Nuclear Weapons case, at p2, available at: http://www.icj-cij.org/docket/files/93/8768.pdf>. Accessed: 29 Jan. 2015.

⁴⁷ See BLONDEL, J. L. The meaning of the word 'humanitarian' in relation to the fundamental principles of the Red Cross and Red Crescent. *International Review of the Red Cross*, v. 273, p. 507-515, 1989.
48 BLONDEL, J. L. The meaning of the word 'humanitarian' in relation to the fundamental principles of the Red Cross and Red Crescent. *International Review of the Red Cross*, v. 273, p. 507-515, 1989.
49 COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 972.

⁵⁰ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 970.

Coupland observes that one of the defining characteristics of human existence has been the making of, threatening with or use of weapons.⁵¹. The only determinant factor as to whether use of weapons or threat is going to be humane or inhumane is the exercise of 'restraint as to how, when and where weapons are used.⁵². If the international community is going to let the use of weapons or violence 'slip the leash of restraint', the results may be catastrophic for humanity⁵³.

Notwithstanding that its meaning has not been expressly articulated, humanity has been invoked in different branches of international law like international humanitarian law, international human rights law and international criminal law. In the African Charter on Human and Peoples' Rights, humanity or Ubuntu was a major consideration that shaped many sections in the Charter. There are also a number of international organisations that have expressly stated that the principle of humanity is their operative guideline.

6.1. Humanity and International humanitarian law

The demand for humanity on the battle field is evident in the history of mankind. For example, it can be found in many practices of ancient states in Africa, China, India and many other regions. The main purpose of most of the rules of the battlefield was to safeguard the survival of a particular group albeit it being viewed or declared an enemy. Fighters were forbidden from engaging in acts that would cause unnecessary suffering as that was considered to be contrary to the elementary principles of humanity. Most of those ancient rules are incorporated in the current rules of IHL on means and methods of warfare. Amongst these ancient rules, some of the most interesting comes from the ancient Laws of Manu where for example, use of barbed, poisoned and fire blazing weapons, deliberately attacking those not taking part in hostilities, killing a surrendering fighter or a grievously wounded fighter was prohibited as it was

considered to be contrary to the dictates of humanity⁵⁴.

In 1864, Henry Dunant after witnessing the horrors of Solferino wrote a book titled *A Memory of Solferino*⁵⁵. In this book, he appealed to humanity and public conscience which resulted in the drafting and adoption of the First Geneva Convention⁵⁶. In the 1905 battle of Tsushima, the Japanese fleet was defeated by the Russian fleet and was left in a terrible shipwreck⁵⁷. It shocked the conscience of humanity to the extent that governments agreed to have another Geneva Convention for those wounded, sick and shipwrecked at sea⁵⁸.

Likewise, World War I and II saw many soldiers behind enemy lines and many were captured and millions suffered ill-treatment at the hands of their captors⁵⁹. Once again, conscience and humanity played a role in the drafting of the Third Geneva Convention on Prisoners of War to address situations like those of prisoners of war in World War I and II. It is not an untold story that civilians suffered the most in World War II that in 1949, another Geneva Convention was specifically drafted to deal with the protection of civilians in armed conflict⁶⁰.

The gruesome deliberate civilian attacks in the Vietnam War and rampant use of indiscriminate conventional weapons shock the conscience of the world community once again⁶¹. Added to this discourse was the quest for self-determination and wars that are fought for that right. This resulted in the two Additional Protocols to the Geneva Conventions in 1977 and the adoption of the Convention on Certain Conventional Weapons in 1980.

On account of these clear cut examples of the influence of humanity, a number of scholars note that

⁵¹ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 971.

⁵² COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 971.

⁵³ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 971.

⁵⁴ See the Laws of Manu, Rule 90-93 available at: http://www.sacred-texts.com/hin/manu.htm>. Accessed: 31 Dec. 2014.

⁵⁵ See DUNANT, J. H. *A memory of Solferino*: international committee of the red cross. 2006.

⁵⁶ GARDAM, J. G. Non-combatant immunity as a norm of international humanitarian law. Martinus Nijhoff Publishers, 1993.

⁵⁷ See Out of My Past Memoirs of Count Kokovtsov, 1935, p.50.

⁵⁸ Geneva Convention III for the Amelioration of the Condition of Wounded, Sick and Shipwrecked Members of Armed Forces at Sea. Geneva, 12 August 1949.

⁵⁹ See JONES, H. Violence against prisoners of war in the First World War: Britain, France and Germany, 1914-1920. Cambridge: Cambridge University Press, 2011. p. 29-440

⁶⁰ See Geneva Convention (IV) relative to the Protection of Civilian Persons in Time of War, Geneva, 12 August 1949.

⁶¹ See BOGASKI, G. *American protestants and the debate over the Vietnam War:* Evil was loose in the world, 2014. p.12.

humanity is the core and basis of international humanitarian law. For example, Matthee has extrapolated and nuanced the foundational basis of the law of armed conflict as follows:

> International humanitarian law is built on the recognition of two opposite sides of humanity. On the one hand, the term 'human' refers to the sympathetic kindness of members of the human race, for instance the human capacity for compassion, which is reflected in the protective scope of international humanitarian law; the protection of those not directly involved in the armed conflict. On the other hand, it refers to the fragility of the human race, its 'dark side' and capacity to destroy62.

To this end, Mariëlle Matthee has observed that the 'human face is the special character of international humanitarian law itself."63. Many of the treaties and conventions in international humanitarian law are argued to have been influenced or founded on the basis of the principle of humanity as already indicated above. For example, in recognising the importance of the Martens Clause and its principles of humanity and dictates of public conscience, Peter Asaro notes that in as much as it is true that many conventions and treaties codify customary law 'by putting into writing the norms of behavior already recognised and adopted by states', in the case of IHL treaties like the Geneva Conventions, 'written law emerged specifically because the widespread behavior of states ran counter to shared moral sensibilities and collective interests.'64. Thus here, humanity is seen as influencing the adoption of certain laws even though it was not supported by state practice. To this end, the role of humanity in IHL as far as the making of laws and norms cannot be under-estimated.

In international humanitarian law treaties, the concept of humanity first appeared late in the 19th century specifically in the 1868 Saint Petersburg Declaration⁶⁵.

Robin Coupland notes that it is surprising that states chose to invoke the concept of humanity and include it in the St Petersburg Declaration when its meaning was not ascertained⁶⁶. It was after 31 years later that humanity was expressly referred to again in the First Hague Peace Conference in 1899. From henceforth, almost all the treaties and legal documents relating to the laws of war contained the concept of humanity⁶⁷. JC Boogard has observed that the rules of international humanitarian law 'aim to preserve a sense of humanity in armed conflict.²⁶⁸. All other rules of international humanitarian law, observes Hanna Brollowski, 'merely function as means to actualise humanity."69.

Before the inclusion of the term humanity in the laws of war, there was always an attempt by belligerents to treat their enemies as less human or 'outside the human race.⁷⁰. Even after the emergence of the term humanity in the laws of war and human rights, perpetrators of heinous acts always seek to exclude the perceived enemy from the human race for the easiness of committing crimes. In Rwandese genocide for example, certain groups were called names such as *inyenzi* - meaning cockroach or inzoka - meaning snake in Kinyarwanda⁷¹. This was a clear attempt to dehumanise them

⁶² MATTHEE, M et al. Armed conflict and international law: in search of the human face: Liber Amicorum in Memory of Avril McDonald, 2013. p. 16.

⁶³ MATTHEE, M et al. Armed conflict and international law: in search of the human face: Liber Amicorum in Memory of Avril McDonald, 2013. p. 16.

⁶⁴ ASARO, P. Jus nascendi, robotic weapons and the Martens Clause. Forthcoming, v. 14, 2015. p.3.

⁶⁵ The declaration stated that states 'having by common agreement fixed the technical limits at which the necessities of war ought to yield to the requirements of humanity, the undersigned are authorized by the orders of their Governments to declare as follows: Considering that the progress of civilization should have the effect of alleviating as much as possible the calamities of war: That the

only legitimate object which States should endeavour to accomplish during war is to weaken the military forges of the enemy; That for this purpose it is sufficient to disable the greatest possible number of men; That this object would be exceeded by the employment of arms which uselessly aggravate the sufferings of disabled men, or render their death inevitable; That the employment of such arms would, therefore, be contrary to the laws of humanity; The Contracting Parties engage mutually to renounce, in case of war among themselves, the employment by their military or naval troops of any projectile of a weight below 400 grammes, which is either explosive or charged with fulminating or inflammable substances.

⁶⁶ COUPLAND, R. Humanity: what is it and how does it influence international law? International Review of the Red Cross, v. 969, 2001. p. 973.

⁶⁷ See for example Article 76 of the Lieber Code (1863); Article 3 Common to the Geneva Conventions; Article 12 of Geneva Convention I; Article 12 of Geneva Convention II; Article 13 of Geneva Convention III; Article 27 of Geneva Convention IV; Article 75 (1) of Additional Protocol I; Article 4(1) of Additional Protocol II. 68 BOOGARD, J. C. Fighting by the principles: principles as a source of international humanitarian law. In: MATTHEE, M. et. al. (Ed.). Armed conflict and international humanitarian law: in search for the human face. Springer Science & Business Media, 2013. p. 4. 69 BROLLOWSKI, H. Military robots and the principle of humanity. In: MATTHEE, M. et. al. (Ed.). Armed conflict and international humanitarian law: in search for the human face. Springer Science & Business Media, 2013. p. 69.

⁷⁰ See SCHMITT, C. The concept of the political. Chicago: University of Chicago Press, 2007. p. 54.

⁷¹ TIRRELL, L . Genocidal language games, 2009. p. 176. Available

or remove them from the humankind. To this, William Schabas observed that 'the road to genocide in Rwanda was paved with hate speech' - a clear lack of humanity and dehumanisation of another group⁷². This was also the same case in conflicts that are motivated by racial differences, for example, apartheid in South Africa. Parts of the infamous speech of Botha read as follows:

> The fact that, blacks look like human beings and act like human beings do not necessarily make them human beings. Hedgehogs are not porcupines and lizards are not crocodiles because they look alike73.

Likewise, Jan Joerden observes that after the Holocaust, the notion of human dignity was placed at the beginning of the new 'German Constitution to underline its importance, especially after the Nazi era during which humanity, both of the individual and of mankind altogether, was completely set aside.'74. Humanity in this regard, is a concept 'that excludes the concept of the enemy'; if there is an enemy for example in armed conflict, 'the enemy does not cease to be a human being' thus the need to treat them humanely⁷⁵.

It can also be deduced that the regulation of means and methods of warfare is greatly influenced by consideration of humanity. For example, Avril McDonald observes that the law of armed conflict is 'called international humanitarian law not because it is obvious that humanity should exist in war but because it is not obvious at all to those who fight these wars."6. Humanity in this sense is there to restrain the 'most barbaric of human activities' during a time when it seems there is a 'natural human tendency to lose all inhibitions when fighting in armed conflict.'77.

For humanitarian reasons, 'international humanitarian law, as most particularly shown in its rules protecting persons hors de combat, is a statement of the extent, and limits, of our humanity in war."8. In summary of the rules that govern the means and methods of warfare as contained in the Martens Clause, one United Nations Special Rapporteur on the situation in Kuwait noted as follows:

The right of parties to choose the means and methods of warfare is not unlimited, i.e the right of parties to choose the means of injuring the enemy, is not unlimited;

A distinction must be made between persons participating in military operations and those belonging to the civilian population to the effect that the latter be spared as much as possible;

It is prohibited to launch attacks against the civilian population as such⁷⁹.

Courts have also found violations of international humanitarian law on the basis that the conduct in question was inconsistent with the principles of humanity. For example, in the case of Military and Paramilitary Activities in and against Nicaragua, the ICJ found that the conduct of the US was contrary to general principles of IHL since they violated 'elementary considerations of humanity.'80. The ICJ had earlier noted that consideration of humanity as part of the general principles of international law was not only applicable to the conduct of hostilities⁸¹ but even in times of peace⁸². It was for that reason that in 1996 the United Nations Security Council censured the use of excessive force against civilian aircraft observing that the use of certain weapons against civilian aircraft is 'incompatible with the elementary considerations of humanity.'83.

It is in the same vein that Mr. Boutros Boutros-Gha-

<https://www.academia.edu/905194/Genocidal_Language_ at: Games>. Accessed: 4 Feb. 2015.

⁷² SCHABAS, W. Hate speech in Rwanda: the road to genocide. McGill Law Journal, v. 144, 2000.

⁷³ See <http://ireport.cnn.com/docs/DOC-813552>. Accessed: 4 Feb. 2015.

⁷⁴ JOERDEN, J. C. The promise of human dignity and some of its juridical consequences especially for medical criminal law. In: BEERS, B. et. al. (Ed.) Humanity across international law and biolaw. Cambridge: Cambridge University Press, 2014. p. 217.

⁷⁵ SCHMITT, C. The concept of the political. Chicago: University of Chicago Press, 2007. p. 54.

⁷⁶ MCDONALD, A. Hors de combat: post-September 11 challenges to the rules. In: HENSEL, H. M. (Ed.). The legitimate use of military force: the just war tradition and the customary law of armed conflict. Ashgate Publishing, 2008. p. 244.

⁷⁷ MCDONALD, A. Hors de combat: post-September 11 challenges to the rules. In: HENSEL, H. M. (Ed.). The legitimate use of military force: the just war tradition and the customary law of armed conflict. Ashgate Publishing, 2008. p. 244.

⁷⁸ MCDONALD, A. Hors de combat: post-September 11 challenges to the rules. In: HENSEL, H. M. (Ed.). The legitimate use of military force: the just war tradition and the customary law of armed conflict. Ashgate Publishing, 2008. p. 248.

⁷⁹ E/CN.4/1992/26. Report of the United Nations Special Rapporteur on the situation of human rights in Kuwait under Iraq occupation, Walter Kälin, 1992.

⁸⁰ MILITARY and Paramilitary Activities in and against Nicaragua, Nicaragua v the United States of America ICJ Reports 1986 81 See the Corfu Channel case, United Kingdom v Albania, Merits, ICJ

Reports (1949).

See the Corfu Channel case, United Kingdom v Albania, Merits, ICJ 82 Reports (1949).

Security Council Resolution 1067, para 6, 28 July 1996. 83

li, the former United Nations Secretary General observed that it does not matter whether it is an international or non-international armed conflict; prohibitions that are in Common Article 3 to the Geneva Conventions resonate from those acts that are contrary to the 'elementary considerations of humanity.'⁸⁴.

The ability to recognise and respect the human dignity and worthy of another person is the basis on which the society and international community can survive. As has been observed by Thomas Hobbes in the 17th century, that respect must continue even in time of war, governing the way humans conduct themselves and consequently the weapons they use.

Whatsoever therefore is the consequent to a time of war, where every man is enemy to every man [therefore no respect for humanity]...wherein men live without security, than what their own strength and their own *invention* shall furnish them withal [then]...there is no arts; no letters; no society; and which is worst of all, continual fear, and danger of violent death; and the life of man, solitary, poor, nasty, brutish and short⁸⁵.

From the foregoing, the United Nations, courts, commentators and treaty drafters believe in the importance of the principle of humanity in international humanitarian law albeit it not being specifically defined. This is the same under international human rights law.

6.2. Humanity and human rights law

Under human rights law, B Beers has observed that human rights only become meaningful if they are understood from a point of humanity⁸⁶. Peter Asaro has thus linked humanity to the Universal Declaration of Human Rights noting that many conventions on human rights are in essence influenced by the concept of humanity⁸⁷. He notes that the UDHR is underpinned by humanity, a 'set of moral principles' and 'a hybrid of shared beliefs, sentiments, and attempts to derive principles from norms of belief and behavior' common to all peoples that have been subsequently codified in various human rights treaties and conventions⁸⁸. There are a number of human rights treaties that refer to either the principle of humanity or human dignity as part of humanity⁸⁹. Likewise, the United Nations Human Rights Committee has emphasised the importance of the principle of humanity in some of its General Comments⁹⁰. In General Comment 21 for example, it is categorically stated that:

Treating all persons deprived of their liberty with humanity and with respect for their dignity is a fundamental and universally applicable rule. Consequently, the application of this rule, as a minimum, cannot be dependent on the material resources available to the State party. This rule must be applied without distinction of any kind, such as race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth or other status⁹¹.

Thus in human rights law, it is considered settled practice that 'the treatment dispensed to human beings, in any circumstances, ought to abide by the principle of humanity which permeates the whole *corpus juris* of the international protection of the rights of the human person.⁹². Nevertheless, just like in the case of international humanitarian law, there is no express definition of humanity in the human rights law regime.

6.3. Humanity and international criminal law

Again, a reference to humanity is present in international criminal law. The preamble of the Rome Statute states that the international community is 'mindful that during this century millions of children, women and men have been victims of unimaginable atrocities that deeply shock the *conscience of humanity*.⁹³. To the same end, courts have considered principles of humanity in

93 Pre-amble of the Rome Statute.

⁸⁴ Report of the UN Secretary General, Boutros Boutros-Ghali, UN Doc. S/25704 (1993) para 48.

⁸⁵ See HOBBES, T. Leviathan. 2010. p. 56-57.

⁸⁶ BEERS, B. et al. *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p. 177; See also TEITEL, R. G. *Humanity's law*. Oxford: Oxford University Press, 2011.

⁸⁷ ASARO, P. Jus nascendi, robotic weapons and the Martens Clause. *Forthcoming*, v. 14, 2015. p.5.

⁸⁸ ASARO, P. Jus nascendi, robotic weapons and the Martens Clause. *Forthcoming*, v. 14, 2015. p.5.

⁸⁹ Article 17(1) of the Convention on the Protection of Migrant Workers; Article 5 of the African Charter on human and Peoples' Rights; Article 37(b) of the Convention on the Rights of the Child; Article 5 of the American Convention on Human Rights.

⁹⁰ UN Doc. HRI/GEN/1/Rev.1, Human Rights Committee, General Comment 9, Article 10, para 3 stating in pat that 'allowing visits (for those deprived of liberty), in particular by family members, is normally also such a measure which is required for reasons of humanity.'

⁹¹ UN Doc. HRI/GEN/1/Rev.1 at 33, Human Rights Committee, General Comment 21, Article 10, para 4.

⁹² KOLB, R.; GAGGIOLI, G. Research handbook on human rights and humanitarian law. Edward Elgar Publishing, 2013. p. 189.

the adjudication of some cases. In the case of *Furundziya*, the International Criminal Tribunal for the Former Yugoslavia stated that torture is not only contrary to customary international law but also principles of humanity as enshrined in the Martens Clause⁹⁴. The ICTY also observed that deliberate attacks on the civilian population are contrary to the elementary consideration of humanity as derived from the Martens Clause⁹⁵.

It is in the light of the concept of humanity that in international criminal law 'crimes against humanity' were coined⁹⁶. In this term, humanity is considered to be both the humankind and the ideologies and norms of the humankind⁹⁷. Thus a person committing crimes against humanity commits acts that shock the human conscience in that they are against the ideologies and universal or widely agreed norms of the humankind thereby offending both the descriptive understanding of humanity as mankind and the normative understanding of humanity as the value that is shared by all human beings⁹⁸.

In the same vein, in international criminal law, the application of statutory limitations to war crimes is considered to be an affront 'to world public opinion' and humanity since it fuels impunity⁹⁹. Likewise, emerging international norms such as the responsibility to protect (RtoP) are premised on humanity and public conscience– where governments, albeit human rights violations not occurring against their own citizens or within their territories, they reserve a right and obligation to intervene and protect civilians were the state responsible is either unwilling or unable to protect¹⁰⁰.

According to Michael Veuthey, humanity involves 'demanding justice through criminal prosecution before national or international courts.¹⁰¹. In other words, it is in line with humanity that that where a crime is committed, the perpetrator must be prosecuted and the victim remedied¹⁰². Now, this point is linked to the argument that AWS may create an accountability vacuum where it may be impossible to hold anyone responsible for a crime committed¹⁰³.

6.4. NGOs, international organisations and humanity

There are many international organisations who consider their work to be humanitarian, indeed, they see the number one objective of their work being to further and protect humanity. An example of such an organisation is the International Committee of the Red Cross which has humanity as one of its operating principles. Indeed, humanity is even the *raison d'être* of the ICRC if one considers the history of its foundation¹⁰⁴.

The principle of humanity stands out on its own in the doctrine of the Red Cross, and all the other principles hang from it. It is the fundamental basis of our institution, indicating both its ideal, the reason for its existence and its object. If the Red Cross were to have only one principle, this would be it¹⁰⁵.

Thus in its humanity principle, the ICRC considers that it was 'born of a desire to bring assistance without discrimination to the wounded on the battlefield', 'alleviate human suffering' by protecting lives and the health of those caught in the maelstrom of armed conflict and 'ensure respect for the human being' while promoting 'mutual understanding, friendship, co-operation and

⁹⁴ See PROSECUTOR v Furundziya (1998) Judgement No. IT-95-17/1-T para 137.

⁹⁵ See PROSECUTOR v Martic (1996), Review of the Indictment Pursuant to Rule 61, No. IT-95-11-R61 para 48.

⁹⁶ BASSIOUNI, M. C. *Crimes against humanity*: historical evolution and contemporary application. Cambridge: University Press, 2011. p. 10.

⁹⁷ See MACLEOD, C. Towards a philosophical account of crimes against humanity. *European Journal of International Law*, p. 281-302, 2010.

⁹⁸ See MACLEOD, C. Towards a philosophical account of crimes against humanity. *European Journal of International Law*, p. 281-302, 2010.; URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014.

⁹⁹ Convention on the Non-Applicability of Statutory Limitations to War Crimes and Crimes Against

Humanity, 26 November 1968

¹⁰⁰ See PATTISON, J. Humanitarian intervention and the responsibility to protect: who should intervene? Oxford: Oxford University Press,

^{2010.}

¹⁰¹ VEUTHEY, M. Public conscience in international humanitarian law today. In: HORST, F. et. al. (Ed.). *Krisensicherung und humanitärer schutz*; crisis management and humanitarian protection. Berliner Wissenschaftsverlag, 2004. p. 626.

¹⁰² VEUTHEY, M. Public conscience in international humanitarian law today. In: HORST, F. et. al. (Ed.). *Krisensicherung und humanitärer schutz*; crisis management and humanitarian protection. Berliner Wissenschaftsverlag, 2004. p. 626.

¹⁰³ See GENEVA ACADEMY OF INTERNATIONAL HU-MANITARIAN LAW. Autonomous weapon systems under international law. *Academy Briefing Number, v.* 24, iss. 8, 2014.

¹⁰⁴ See BROLLOWSKI, H. Military robots and the principle of humanity. In:MATTHEE, M. et al (Ed.). *Armed conflict and interna-tional humanitarian law:* in search for the human face. 2013. p. 69.

¹⁰⁵ PICTET, J. S. Humanity. International Review of the Red Cross, v. 158, 1995.

lasting peace amongst all peoples.'106.

Notwithstanding that humanity is provided for in international humanitarian law, UN law, human rights law, international criminal law and founding documents of important international organisations, there is no express definition of what it is. This has prompted some scholars to argue that it is a vague term and as such the Martens Clause which contains it cannot be relied upon in the AWS debate¹⁰⁷. Nevertheless, the fact that no express definition is provided does not necessarily mean that the term is incapable of meaning.

6.5. Definition of humanity

As already highlighted above, there is so single definition of what the term humanity means¹⁰⁸. B Beers has noted that an attempt to define humanity is usually characterised by a 'wide-spread tendency to translate particular and provisional moral convictions into universal truths and symbols by identifying one's own ways with the ways of humanity as a reified whole.²¹⁰⁹. According to Hanna Brollowski, 'to define the concept of humanity is in itself a daunting task.²¹¹⁰. In general, however, Avril McDonald has observed that humanity and international humanitarian law can be said to be summarised in the popular phrase 'do unto others as you would have them do unto you.²¹¹¹.

6.6. Literal definition of humanity

The ordinary, literal or grammatical definition of humanity should be the first port of call¹¹². The literal and

112 BROLLOWSKI, H. Military robots and the principle of hu-

descriptive meaning of humanity refers to 'humankind, that is, to the group of men and women who form the human race.²¹¹³. This literal understanding of humanity as meaning humankind is also present in case law. For example, in the *Nicaragua case*, the court noted that if certain rules of international law are not respected, it will 'lead to disastrous consequences causing untold misery to humanity.²¹¹⁴. In this sense, humanity is human kind. This literal understanding of the term humanity relevant to international law since international law, in the first place, 'is not made for anyone else but for the human race: international law is, in that sense, humanity's law.²¹¹⁵.

Literally, humanity is also understood to refer to 'the character or quality of being humane; behaviour or disposition towards others such as befits a human being.'¹¹⁶. Jean Pictet has thus defined humanity as 'a sentiment of active goodwill towards mankind' that encompasses 'a complex motive in which kindred elements such as kindness, pity, gentleness, generosity, patience, and mercy, are present in varying degrees.'¹¹⁷. There is usually a link between these two literal definitions of humanity although it should be noted that 'human existence is not necessarily associated with humane behaviour of individuals.'¹¹⁸.

6.7. Defining humanity as a normative standard

The more important definition of humanity as according to Rene Uruena, is to understand it 'as a normative

¹⁰⁶ DURAND, A. *The International Committee of the Red Cross.* 1981. p. 54.

¹⁰⁷ See EVANS, T. D. Note at war with the robots: autonomous weapon systems and the Martens Clause. *Hofstra Law Review*, v. 697, iss. 41, 2014.

¹⁰⁸ URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p. 181.

¹⁰⁹ BEERS, B. et al. Humanity across international law and biolaw. 2014. p. 177.

¹¹⁰ BROLLOWSKI, H.'Military robots and the principle of humanity. In:MATTHEE, M. et al (Ed.). *Armed conflict and international humanitarian law:* in search for the human face. 2013. p. 68.

¹¹¹ MCDONALD, A. Hors de combat: post-September 11 challenges to the rules. In: HENSEL, H. M. (Ed.). *The legitimate use of military force: the just war tradition and the customary law of armed conflict.* Ashgate Publishing, 2008. p. 243.

manity. In: MATTHEE, M. et al (Ed.). Armed conflict and international humanitarian law: in search for the human face. 2013. p. 68. 113 URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). Humanity across international law and biolaw. Cambridge: Cambridge University Press, 2014. p. 180; R Coupland 'Humanity: What is it and how does it influence international law?' (2001) International Review of the Red Cross 969.

¹¹⁴ MILITARY and Paramilitary Activities in and against Nicaragua, Nicaragua v the United States of America ICJ Reports 1986, pp. 143 and 146, Separate Opinion of President Nagendra Singh.

¹¹⁵ URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p. 180.

¹¹⁶ See COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001.

¹¹⁷ PICTET, J. S. Humanity. International Review of the Red Cross, v. 158, 1995.

¹¹⁸ See COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 972.

standard' that presents a somewhat 'empty vessel that empowers humanitarian institutions and their expertise' to have the 'last word on what humane behaviour really is' in each particular circumstance¹¹⁹. This is where values that have been long accepted by humankind are of importance in shaping what is meant by humanity.

Thus when trying to find the meaning of what is meant by the term humanity in terms of the laws of armed conflict, it should be understood that 'humanity is linked to the idea of humane treatment – be it of the ill or the wounded, of non-combatants or of others whose protection is mandated.²¹²⁰. In this sense, a question on whether certain conduct is consistent with requirements of humanity is the equivalent of whether your conduct is humane¹²¹.

From the above understanding, humanity must be viewed as 'a standard that's serves as a yardstick to evaluate a certain conduct.'¹²² In showing the close link between humanity, human dignity and other moral standards or yardsticks that appear to be universal to humankind, Coupland observes that:

Humanity-sentiment, limiting inhumanity, a collective human conscience, respecting human rights, the restraint of armed violence and ... morality are so closely knit within our psychology that they may only bear different names because of the poverty of language.¹²³

This view is supported by many scholars who postulate that human rights are born out of human dignity.¹²⁴ In other words, human dignity is the mother of all rights.¹²⁵ Many human rights treaties refer to the right to dignity or the importance of the dignity of the human person.¹²⁶. McCrudden has observed that the importance of human dignity when human rights treaties were being negotiated and drafted as that of providing 'a theoretical basis for the human rights movement in the absence of any other basis for consensus.'¹²⁷.

To this end, 'an individual is capable of having rights if and only if his well-being is of ultimate value.'¹²⁸. According to this view, humanity then is that which is consistent with human dignity¹²⁹. The only problem arise in that there is not much consensus in what exactly human dignity entails irrespective of the fact that many scholars emphasise its importance and it being the basis of other rights¹³⁰.

Nevertheless, the understanding of humanity as a normative standard that incorporate human dignity is that it is not only concerned with the protection of the individual but human kind as a whole. The Constitutional Court of German has articulated that 'human dignity means not only the individual dignity of the person but the dignity of man as a species.¹³¹.

The advantage of taking the principle of humanity as a normative standard is that it is not rigid; it 'allows a contextual assessment of situations, and permits flexibility while invoking a certain normative value.'¹³². From the view of international law which is ever changing, humanity and dignity, it is argued, must not be given a 'concrete meaning' since that would empower those

¹¹⁹ URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p.178.

¹²⁰ URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p.180.

¹²¹ URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p. 180.

¹²² URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p. 181.

¹²³ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 978.

¹²⁴ MACCORMICK, N. Legal right and social democracy: essays in legal and political philosophy. Clarendon Press, 1982. p. 154.

¹²⁵ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 104.

¹²⁶ See for example Article 1 of UDHR; preamble to UN Charter; see also case of *Tyrer v UK* ECHR (1978)2.

¹²⁷ MCCRUDDEN, C. Human dignity and judicial interpretation of human rights. *European Journal of International Law*, v. 655, n. 19, 2008. p. 655-77.

¹²⁸ RAZ, J. The morality of freedom. 1986. p. 166.

¹²⁹ URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw.* Cambridge: Cambridge University Press, 2014. p. 184.

¹³⁰ See generally KRETZMER, D.; KLEIN, E. The concept of human dignity in human rights discourse. Kluwer Law International, 2002.

¹³¹ See URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p. 188.

¹³² See URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw.* Cambridge: Cambridge University Press, 2014. p.189.

who seek to interpret it in a negative way that demean human rights when circumstances change¹³³. An example of such an interpretation is where Evans argues that Human Rights Watch missed the point on how to interpret humanity in its 2012 report titled *Losing Humanity: The case against killer robots*¹³⁴. He argues that 'a literally inhuman weapon system may prove to be far more humane than human soldiers could ever be.'¹³⁵. Such an argument could be well supported if there was a rigid definition of what constitutes humanity. However, because the concept is flexible, Evans' argument can be attacked from all angles, starting with the fact that the moment a weapon is termed to be inhuman, and then, the game is over.

As already noted above, Evans's arguments seem to advocate for the strengthening of states' powers to make decisions on the international level through exclusion of the Martens Clause and its humanity principles and dictates of public conscience. Schmitt has observed that in most cases where sovereigns or states invoke the principle of humanity to support their argument, it is not out of sincerity, thus in his opinion and as far as states are concerned, 'whoever invokes humanity wants to cheat.'¹³⁶.

In the same vein, Erika de Wet has noted that one of the fundamental roles of humanity, understood as a normative standard, is that it provides 'a constitutional limit' to the powers of states at the global level¹³⁷. Such a constitutional limit is not rigid but flexible depending on the circumstances. In regards to flexibility of humanity and its importance, Uruena observes as follows:

> When everything fails, when the Security Council or the legal departments of Foreign Offices are entangled in discussions of vetoes, or arcane treaty provisions, the ethical imperative of humanity

seems to trump all discussions. Humanity is out there, not in an office in Geneva or New York – but in Colombia, or Sudan, or some other place where the dignity if human beings needs to be protected by the international community as a whole¹³⁸.

Thus while the literal meaning of humanity is important, when understood as a normative standard, humanity becomes clearer but at the same time flexible. Other commentators have suggested that humanity can be defined in terms of other disciplines other than law. In view of the multi-disciplinary nature of the AWS debate, such an approach is also welcome.

6.8. Defining humanity terms of other disciplines other than law

While Coupland recognises that there is much ambiguity as far as the term humanity is concerned in international law, he notes that in other disciplines such as security studies, health sciences like psychology, the meaning of humanity may be clear cut. To that end, he suggests that to find the meaning of humanity, one may resort to 'interpreting humanity in terms of security and health.'¹³⁹. To justify why humanity must be interpreted in terms of health and security when it comes to weapons, Coupland argues that 'weapons are the principal means by which personal security is eroded and therefore must be recognized as both security and health issues.'¹⁴⁰.

Humanity arises from and signifies restraining the capacity for armed violence and limiting its effects on security and health...Humanity interpreted in these terms encompasses humanitarianism, morality, development, human rights and human security[...] Humanity is not solely the domain of "humanitarian" agencies or international lawyers. Other disciplines, especially those based on life sciences, can be brought to bear[...] humanity is a universal ethic and should be shared between all

¹³³ See URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p. 189.

¹³⁴ EVANS, T. D. Note at war with the robots: autonomous weapon systems and the Martens Clause. *Hofstra Law Review*, v. 697, iss. 41, 2014.

¹³⁵ EVANS, T. D. Note at war with the robots: autonomous weapon systems and the Martens Clause. *Hofstra Law Review*, v. 697, iss. 41, 2014.

¹³⁶ SCHMITT, C. *The concept of the political: expanded edition.* 2008. p. 54. He notes for example that in the past states have used the principle of humanity to extend their borders while crushing the sovereignty of other states.

¹³⁷ DE WET, E. The international constitutional order. *International and Comparative Law Quarterly*, v. 55, 2006. p. 51.

¹³⁸ See URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p.189.

¹³⁹ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 979.

¹⁴⁰ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 982; See also ABASS, A. *Protecting human security in Africa*. 2010. p. 64; KALDOR, M. H.; BEEBE, S. *The ultimate weapon is no weapon:* human security and the new rules of war and Peace. PublicAffairs, 2010. KALDOR, M. *Human security*. 2013; CHANDLER, D; HYNEK, N. *Critical perspectives on human security*: rethinking emancipation and power in international relations. Routledge, 2010.

Thus, to determine whether a particular conduct or weapon is inhumane; one may assess it in terms of its impact on security and health. He adds that maintenance of peace and security and protection of health is the 'lowest common denominator' that can tell what is humane and what is inhuman¹⁴².

Security is the foundation on which all human relations are based. For this reason, the international community has never stopped in its quest to keep at bay all those who are viewed to be a menace to world peace and to keep in check all conduct that may disturb world peace. Establishment of methods such as the Congress System of 1815 and its principle of balance of power, the League of Nations and the current United Nations have all been efforts of humanity to ensure that there is peace and security.

To this end, the question may be asked whether development of AWS is in the interest of security for example. The debate on AWS is sometimes obscured by an over emphasis of the importance of this kind of technology to states. In this regard, it should be understood that there is a difference between state and individual security as has been observed by Robert Jackson:

> We should distinguish between personal security and national security. Personal security is a basic value because it is an essential requirement, or condition, of a successful and fulfilling existence: it liberates people (both physically and mentally) to get on with the business of building their lives without undue fear of those around them. Personal security is our individual insulation from threat, danger, or harm the source of which is always *other people*. It is also peace of mind: liberation from the anxiety and apprehension associated with fear of those who are in a position to harm us¹⁴³.

There have been arguments by some commentators that AWS will lower the threshold on the use of force¹⁴⁴.

In this sense, the AWS may be seen to potentially threaten the security of humanity and of course associated health rights. However, this may not be straightforward as it may seem. This is so because weapons can be both a means to erode security and a means to guarantee it¹⁴⁵.

In terms of the protection of the right to life, Heyns has noted that one of the layers of protection of the right to life is through *jus ad bellum* – the law relating to the use of force which is directly linked to security issues.¹⁴⁶ Along the same lines, Pierre Perrin, a Chief Medical Officer with the ICRC has observed the importance of security for the safeguard of both public health and right to dignity as an element of humanity¹⁴⁷. He noted that the right to health, dignity of individuals may only be effectively protected if 'the security of victims of armed conflict is guaranteed' since 'security embraces the sustainable satisfaction of needs and respects basic rights of human beings¹⁴⁸.

If it is agreeable that 'the ultimate goal of humanity, human rights and humanitarian intervention' is to promote human security and health, then humanity can be interpreted in light of the concepts of security and health¹⁴⁹. Humanity, therefore, is 'people living together in a state of security and health.'¹⁵⁰ The overall consideration when interpreting and trying to find the definition of humanity is to remember that humanity must be 'interpreted in terms of people's security and well-being.'¹⁵¹.

Both the literal and normative meaning of the term humanity - i.e. humanity as referring to mankind and

¹⁴¹ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 988-989.

¹⁴² COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 979-988.

¹⁴³ JACKSON, R. *The global covenant:* human conduct in a world of states. Oxford University Press, 2000. p. 186.

¹⁴⁴ See ASARO, P. How just could a robot war be? In: BREY P. et. al. (Ed.). *Current issues in computing and philosophy*. IOS Press, 2008.; KHAN, P. W. The paradox of riskless warfare. *Faculty Scholarship Series*, v. 4, n. 326, 2002. Available at: http://digitalcommons.law.yale. edu/fss_papers/326>.

¹⁴⁵ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 980.

¹⁴⁶ A/68/30532, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 12 August 2013, para 23.

¹⁴⁷ PERRIN, P. *War and public health*: extending the concept of public health for the victims of armed conflict. 1998. Available at: <<u>http://www.who.int/hac/about/6676.pdf</u>>.

¹⁴⁸ PERRIN, P. *War and public health*: extending the concept of public health for the victims of armed conflict. 1998. Available at: http://www.who.int/hac/about/6676.pdf>.

¹⁴⁹ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 984.

¹⁵⁰ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p. 986.

¹⁵¹ COUPLAND, R. Humanity: what is it and how does it influence international law? *International Review of the Red Cross*, v. 969, 2001. p..

humanity as a quality of being humane – play an important role in international law – sometimes applying at the same time¹⁵². In the end, no matter the various views that may exist as far as the issue of humanity is concerned, no matter how one might feel about it being applied in the AWS debate, 'we have to live with the fact that international law decided to invest all its capital in the empty [yet full] vessel of humanity as a normative concept – there is no changing that. Perhaps turning to the good sense of those defining humanity is the only road left.'¹⁵³ In this sense, humanity remains 'a platform for emancipation and justice' – more fully, in this AWS debate, it should be a guiding star¹⁵⁴.

In discussing the relevance of the notion of humanity to the AWS debate, reference has been given to human dignity which stands as a component of humanity. The fundamental question that I seek to answer now is what is meant by human dignity and how does AWS measure to it.

6.9. Human dignity

Human dignity is the humanity of a person. It is her humanity as a free being, with unbridled autonomy. It is her freedom to write her life story. This humanity expresses the conception of a person as an end and rejects viewing her as a mere means. This humanity is the framework of society.¹⁵⁵

There are a number of scholars who have written on dignity¹⁵⁶. Yale Law School Professor Aharon Barak has

added to the literature on human dignity with his recent 2015 book titled *Human Dignity* wherein he comprehensively discuss the origins of human dignity, its development through generations up to the modern day where it serves as the foundation of society¹⁵⁷. In this section, I seek to discuss the relevance of human dignity in the AWS debate by considering first what human dignity entails and its status in international law. I then consider whether the use of autonomous weapon systems without meaningful human control is in line with human dignity.

It is important to seek to understand the content of human dignity because one of the challenges likely to be encountered when dignity is considered in the AWS debate is that there is no agreement as to what it entails¹⁵⁸. The concept of human dignity is very old and dates back as far as 2 500 years ago¹⁵⁹. It has appeared in many disciplines and has been the subject of debate in religion, theological teachings, philosophy, history and law only to mention a few¹⁶⁰.

After the international community witnessed historical catastrophes such as the world wars and the Holocaust, the concept of human dignity started gaining traction as a constitutional value and right¹⁶¹. Thus over the years, there have been what Aharon Barak calls 'the constitutionalisation of human dignity as a value or as a right.¹⁶² In the following paragraphs, I am going to discuss the concept of human dignity first as a social value that is influenced by religion and philosophy and second as a constitutional value and right.

6.10. Human dignity as a social value

The concept of dignity has been largely discussed and explained by theologians and philosophers. Accor-

¹⁵² See BROLLOWSKI, H. Military robots and the principle of humanity. In: MATTHEE, M. et al (Ed.). *Armed conflict and international humanitarian law;* in search for the human face. 2013. p. 68.

¹⁵³ See also URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p.195.

¹⁵⁴ See also URUENA, R. Deciding what is humane: towards a critical reading of humanity as a normative standard in international law. In: BEERS, B. et. al. (Ed.). *Humanity across international law and biolaw*. Cambridge: Cambridge University Press, 2014. p.195.

¹⁵⁵ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 24.

¹⁵⁶ See for example EBERLE, E. J. Dignity and liberty: constitutional visions in Germany and the United States. Praeger, 2002. WALDRON, J. Dignity, rank, and rights. Oxford University Press, 2012.; MEYER, M.; PARENT, W. The constitution of rights: human dignity and American values London. Cornell University Press, 1992. KRETZMER, D.; KLEIN, E. The concept of human dignity in human rights discourse. Kluwer Law International, 2002. KRAYNAK, R. P.; TINDER, G. E. In defense of human dignity: essays for our times. Paris: University of Notre Dame Press, 2003.; KANFRANANN, P. et. al. Humiliation, degradation, dehumanisation: Human dignity violated.

<sup>Springer Science & Business Media, 2011. MCCRUDDEN, C. Understanding human dignity. 2003; DUWELL, M. et al. The Cambridge handbook of human dignity. Cambridge: Cambridge University Press, 2014.
See BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015.</sup>

¹⁵⁸ See DONNELLY, J. Human rights and human dignity: an analytic critique of non-western conceptions of human rights. *American Political Science Review*, v. 303, iss. 76, 1982. p. 132.

¹⁵⁹ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 17.

¹⁶⁰ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 17.

¹⁶¹ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 17.

¹⁶² BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 17.

ding to these groups and disciplines, the concept of dignity is understood as a social value representing positive aspects of man such as respect, glory and honour¹⁶³. When theologian Thomas Aquinas discussed dignity, he perceived it as a social value that has roots in the religious dictates of a particular society¹⁶⁴. In this sense, dignity of the human person stems from the sacred nature of his creation by a supernatural being¹⁶⁵. The human body and soul must therefore not be transgressed on account of its sacredness; it is the image of God¹⁶⁶. There are Christian dictates for example stating that man must respect and handle their bodies in a dignified manner because it is a temple of God¹⁶⁷.

Courts have accepted the argument that dignity can in fact be understood from a religious or theologian point of view. The courts of Israel have referred many times to Bible verses when dealing with the issue of human dignity. For example, in the *Moshe Neiman case*, the court observed as follows:

A basic element in Judaism is the idea that man was created in the image of God. (Genesis 1: 27). From this (verse one) derives certain fundamental principles regarding the value of man – equality. There is also the crowning value in human relations: 'And you shall love your neighbour as yourself.' (Leviticus 9:18). The supreme value in human relations is love of one's fellow man and the equality of man since every man was created in the image of God¹⁶⁸.

This perception of human dignity as a social value in the religious discourse has also been supported by a number of philosophers. Philosopher Immanuel Kant described dignity as a social value that demands that each person be respected in the interest of peace and co-existence of human beings¹⁶⁹. The difference between human beings and animals was thus highlighted as the ability of humans to treat each other with dignity, to recognise the worth of fellow human beings¹⁷⁰.

Likewise, as already pointed above, in pointing to the differences between humans and animals, Stoics and Cicero emphasise that it is the ability of humans to think and reason that separate them from all other creations¹⁷¹. In this sense, before a human engages in conduct that likely affects others; an average human being would seriously deliberate of their actions. That moment of deliberation, is the moment when homage is paid to human dignity. It may not even matter that the person may go ahead with the wrongful act; the fact that they morally know wrong from right and know when they are doing wrong is an acknowledgment of human dignity. Machines on the other hand, can never have such moral awareness. Thus the ability to think is important for the recognition of human dignity and humanity¹⁷².

Our being all alike is endowed with reason and with that superiority which lifts us above the brute. From this all morality and propriety are derived, and upon it depends the rational method of ascertaining our duty¹⁷³.

Now that AWS may not have this human quality, the question is whether allowing a machine to make the decision to kill in armed conflict or in law enforcement is in line with the right to human dignity. Aharon Barak has observed that 'only humans have the ability to think and create concepts, be the subject to moral dictates and ethical responsibility.¹⁷⁴ When making their decisions, humans take many things into consideration. This is due to the fact that humans, 'not only live in the present but also in the past and in the future.¹⁷⁵ Whether we like it or not and notwithstanding technological developments, 'only human beings constitute an ethical community of rational beings' who have the capacity to respect and preserve human dignity¹⁷⁶.

¹⁶³ See CORNELL, D. Bridging the span towards justice: Laurie Ackermann and the on-going architectonic of dignity jurisprudence. *Acta Juridica*, v. 18, 2008.; BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 3.

¹⁶⁴ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 21.

¹⁶⁵ GARRY, P. *Conservatism redefined:* a creed for the poor and disadvantaged. Encounter Books, 2013. p. 28.

¹⁶⁶ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 6.

¹⁶⁷ See for example the Bible in 1 Corinthians 6:19 providing as follows: 'Do you not know that your bodies are temples of the Holy Spirit, who is in you, whom you have received from God? You are not your own.'

<sup>See EA 2/84 Moshe Neiman et al v Chairman of the Central Elections Committee for the 11th Knesset, 8 Israel Law Reports 83, 148 (1985).
See MALPAS, J.; LICKISS, N. Perspectives on human dignity: a conversation. 2007. p. 95.</sup>

¹⁷⁰ See ARPPE, T. Affectivity and the social bond: transcendence, economy and violence in French social theory. 2014. p. 165.

¹⁷¹ See STRANGE, S. K.; ZUPKO, J. Stoicism: traditions and transformation. Cambridge: Cambridge University Press, 2004.

¹⁷² See in general I Dennis & P Tapsfield Human abilities: their nature and measurement (2013).

¹⁷³ See MT Cicero De Officis (1975)107.

¹⁷⁴ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 17.

¹⁷⁵ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 17.

¹⁷⁶ BARAK, A. Human dignity. Cambridge: Cambridge University

There is thus a case why meaningful human control over weapon systems must be maintained: it is only 'humans who are able to see the results of their actions, understand the connections between cause and effect, and thus control their lives.'177 This is not the case with autonomous weapons systems. For this stronger reason, Peter Asaro has noted that robots cannot understand the meaning of their actions therefore making death at the hands of a robot a meaningless, undignified and arbitrary death178.

Thus, if human dignity is understood from religious teachings such as those of Judaism, Christianity, Islam, social values of togetherness like the spirit of Ubuntu or humanity, letting a machine or robot decide who lives and who dies becomes unacceptable¹⁷⁹.

It is important to note that in the early days of discussion of the concept of human dignity, it was only understood as a social value and not a human right mainly because back then there were no constitutions to talk of¹⁸⁰. This is not to say, however, that the theological and religious understanding of human dignity as a social value is no longer important today in particular to this AWS debate. Both the theologian and philosophical understanding of human dignity is still relevant because even the constitutional understanding of human dignity that I discuss below gives reference to the social value of human dignity - human dignity is underpinned by morals and ethics that are 'entrenched in the culture of a society.'181.

Of course there is a challenge in explaining dignity in terms of societal values that are influenced by different cultures, customs and belief. In this regard one commentator has observed that if human dignity is understood in terms of culture, 'human dignity in a western culture may not be the same as human dignity in a non-western culture, human dignity in one western culture may not be the same as human dignity in another western culture.¹⁸² It cannot be denied that the way one perceives human dignity is influenced by one's back ground such as culture.

Another factor that also influences one's perspective especially in relation to acceptability of certain weapons is the 'age factor' – the younger generation is inclined to accept high tech weapons even in circumstances where they may be viewed as immoral while the older generation may resist¹⁸³. This was particularly the case with drones - within the military, some younger soldiers or pilots seemed readily to accept the use of armed drones while the older generation of fighters seemed to have reservations over their use¹⁸⁴. In this sense, the content of human dignity when understood as a social value is 'contextually dependent'; it is 'a changing value in a changing world.¹⁸⁵ Thus in view of these considerations, Barak argues that human dignity is not 'an axiomatic universal concept'; rather, 'it is a relative concept dependent upon historical, cultural, religious, social and political contexts.'186.

Press, 2015. p. 17.

¹⁷⁷ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 17.

¹⁷⁸ ASARO, P. Jus nascendi, robotic weapons and the Martens Clause. Forthcoming, v. 14, 2015.

¹⁷⁹ On the demands of the spirit of Ubuntu or humanity see ENGLISH, R. Ubuntu: The quest for an indigenous jurisprudence. South African Journal of Human Rights, v. 641, iss. 12, 1996.; KROEZE, I. Doing things with value: the case of Ubuntu. Stellenbosch Law Review, v. 252, n. 13, 2002.; MKOGORO, Y. Ubuntu and the law in South Africa. Buffalo Human Rights Law Review, v. 15, n. 4, 1998.

¹⁸⁰ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 4.

¹⁸¹ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 5; See also MORRIS, B. The dignity of man. Ethics, v. 57, 1946.; EDEL, A. Humanist ethics and the meaning of human dignity. In: KURTZ, P. (Ed.). Moral problems in contemporary society: essays in humanistic ethics. Prometheus Books Publishers, 1969.; BAYEFSKY, R. Dignity, honour and human rights: Kant's perspective. Political Theory, v. 809, iss. 41, 2013.; PLATT, T. W. Human dignity and the conflict of rights. Idealistic Studies, v. 174, 1972; LICKISS, N. Human dignity and human being. In: J MALPAS, J.; LICKISS, N. (Ed.). Perspectives on human dignity: a conversation, 2007.

p. 19; CARBONARI, P. C. Human dignity as a basic concept of ethics and human rights. In: GOLDWEWIJK, B. K. et. al. Dignity and human rights: the implementation of economic, social and cultural rights. Intersentia nv, 2002. p. 35.

¹⁸² BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 5; See also DONNELLY, J. Human rights and human dignity: an analytic critique of non-western conceptions of human rights. American Political Science Review, v. 303, iss. 76, 1982 ;MAN-GLAPUS, R. S. Human rights are not a western Discovery. World View, v. 4, n. 21, 1978; LEE, M. Y. K. Universal human dignity: some reflections in the Asian contexto. Asian Journal of Comparative Law, v. 1932, n. 3, 2008.; ANGLE, S. Human rights and Chinese thought: a cross cultural inquiry. Cambridge: Cambridge University Press, 2002.

See for example BERGEN, P.; ROTHENBERG, D. Drone 183 wars. Cambridge: Cambridge University Press, 2014. p. 233.

¹⁸⁴ BERGEN, P.; ROTHENBERG, D. Drone wars. Cambridge: Cambridge University Press, 2014. p. 233

¹⁸⁵ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 6.

¹⁸⁶ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 6; See also JONES, J. Common constitutional traditions: Can the meaning of human dignity under German law guide the European Court of Justice? Public Law, v. 167, 2004.; BOTHA, H. Human dignity in comparative perspective. Stellenbosch Law Review, v. 171, iss. 2, 2009. ; WEISSTUB, D. Honour, dignity and the

Nevertheless, even if human dignity is viewed as relative, the core of human dignity is similar across the globe. This is so because the factors that influence the content of human dignity are the same. Human dignity is shaped by rule of law, democracy and human rights. Many societies are thus built on common foundations which make the content of what is dignified and what is not more the same¹⁸⁷. This is even more the case if human dignity is understood as a constitutional value and a right¹⁸⁸.

The above is not to undermine the difficulties that are associated in unpacking the content of human dignity. It is surely a complex issue. However, its complexity does not mean that it is irrelevant to the AWS debate or wherever it is called for. In fact it is imperative that it be considered and given its due weight in this AWS debate. For that reason, Aharon Barak has categorically stated that 'the complexity of human dignity is not sufficient reason to justify a negative approach toward human dignity.'¹⁸⁹ As already indicated above, many human rights are complex but that does not warrant their abandonment. Thus in emphasising the importance of human dignity as a basis of many aspects of international law and its interpretation, Aharon Barak states as follows:

> This is the case regarding human dignity: Its complexity does not make it useless. Indeed, equality, liberty and life are concepts that have been with us for centuries, whereas human dignity is a new concept in constitutional law. This novelty passes quickly; society gets accustomed to the new

concept, with all its problems. What in the past appeared vague and unclear becomes natural and accepted, what philosophers consider to be unclear and vague is not necessarily unclear and vague to jurists. Judges do not enjoy the extent of discretion granted to theologians and philosophers. They live in a legal framework, which determines rules on whose opinion is decisive and whose is not. The judge must give meaning to human dignity in a constitution does not have the freedom of the philosopher to agree with Kant or to reject his approach. The original complexity of the concept disappears, replaced by concepts that must be implemented¹⁹⁰.

This leads me to the next step, discussion of human dignity as a constitutional value and as right, the framework within which lawyers and judges may be confined.

6.11. Human dignity as a constitutional value and right

In recent years, human dignity has come to be understood not only as a social value but a protected right and of constitutional value¹⁹¹. Many constitutions across the globe contain the right to dignity¹⁹². In constitutions where the right to dignity is not specifically provided for in a constitution, it is implied in the constitutional value of human dignity¹⁹³. In this sense, the constitutional value of human dignity is understood to be broader than the right to dignity itself¹⁹⁴. In most cases, constitutions provide that every person has a right to dignity and no one shall be subjected to inhuman and degrading treatment. On the basis of this right, acts or conduct that is an outrage against personal dignity is unconstitutional¹⁹⁵. The right to dignity belongs both to the person and to the group¹⁹⁶.

The development of the concept of dignity and its transformation to a constitutional right can be traced

framing of multiculturalists values. In: KRETZMER, D.; KLEIN, E. (Ed.). *The concept of human dignity in human rights discourse*. Kluwer Law International, 2002.;HOWARD, R. E. Dignity, community and human rights. In: AHMED, A. (Ed.). *Human rights in cross-cultural perspectives*: a quest for consensus. 1992. p. 81; LEBECH, M. What is human dignity? In: LEBECH, M. (Ed.). *Maynooth philosophical papers*, 2004. p. 59.

¹⁸⁷ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 7; See also WALDRON, J. The dignity of groups. *Acta Juridica*, v. 66, 2008. ; MCCRUDDEN, C. Human dignity and judicial interpretation of human rights. *European Journal of International Law*, v. 655, n. 19, 2008.

¹⁸⁸ See BOGNETTI, G. The concept of human dignity: European and US constitutionalism. In: NOLTE, G. (Ed.). *European and US constitutionalism.* 2005. p. 85; GEWIRTH, A. Human dignity as a basis of rights. In: MEYER, M. J.; PARENT, W. A. (Ed.). *The constitution of rights:* human dignity and American values. Cornell University Press, 1992. p. 10; MELDEN, A. Dignity, worth, and rights. In: MEYER, M. J. et. al. *The constitution of rights:* human dignity and American values. Cornell University Press, 1992. p. 29.

¹⁸⁹ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 10.

¹⁹⁰ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 10.

¹⁹¹ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 12.

¹⁹² See for example the German Constitution; BARAK, A. *Hu-man dignity*. Cambridge: Cambridge University Press, 2015. p. 12.

¹⁹³ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 13.

¹⁹⁴ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 13.

¹⁹⁵ WOOLMAN, S. Constitutional conversations. PULP, 2008. p. 223.

¹⁹⁶ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 301-303.

back to the pre-World war era¹⁹⁷. During and after the World Wars, the international community witnessed callous and horrendous outrages against human dignity¹⁹⁸. Since then, many constitutions and courts - in particular those of German - started taking seriously the protection of the right to dignity¹⁹⁹. In German, it is observed that the strong protection of the right to dignity was a response to the outrages committed by the Nazi regime during the Holocaust²⁰⁰. Thus in the German Constitution, the right to dignity is an absolute right²⁰¹.

In the 1950s up to the 1990s, the right to human dignity or dignity as an important part of the human rights discourse started appearing in many international human rights instruments and conventions²⁰². It was around the same time that many African states started gaining their independence and including the right to dignity in their constitutions as many viewed colonialism and slavery as some of the worst outrages upon personal dignity committed on the continent²⁰³.

When perceived as a constitutional value, human dignity plays an important role in the human rights discourse. According to Aharon Barak, human dignity can be perceived in three ways namely: human dignity as a tool for constitutional interpretation²⁰⁴, human dignity as a foundation for all rights²⁰⁵ and human dignity as a constitutional value in the limitation of constitutional rights²⁰⁶.

200 RUBENFELD, S.; BENEDICT, S. Human subjects research after the Holocaust. 2014. p. 234.

To start with, human dignity is an essential tool when interpreting other rights as provided in a constitution or laws that have an impact on human rights²⁰⁷. Now that the constitution is regarded as the supreme law of the land, the fact that human dignity is viewed as the ultimate tool of interpretation serves to highlight the importance of human dignity in our time²⁰⁸. When human dignity is used for purposes of constitutional interpretation, it is the interpretation that is in line with human dignity that should be adopted when interpreting human rights or other laws as it were.²⁰⁹ The ultimate objective of constitutions in this regard is understood to be the protection of individual persons²¹⁰.

When understood as a foundation of all other rights, human dignity becomes a source of limitation to other constitutionally protected rights such as the right to life. In that sense, the argument is that all other rights are protected for the purposes of furthering the protection of human dignity²¹¹. This would mean that in circumstances where dignity clashes with other rights, it is the preservation of human dignity that takes precedence²¹².

The above approach was taken by the German Constitutional Court when it considered the question of whether it would be constitutional to shoot down a civilian plane that is hijacked by terrorists to save the lives of people targeted.²¹³ In this scenario, one would assume that taking the right to life of those on board is proportional to saving the lives of those targeted yet the German Court found that such an approach is tantamount to violating the right to dignity of civilians on

¹⁹⁷ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 49.

¹⁹⁸ CRYER, R. et al. An introduction to international criminal law and procedure. 2014. p. 254.

¹⁹⁹ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 52.

²⁰¹ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 227.

²⁰² See for example the European Convention on the Protection of Human Rights and Fundamental Freedoms; the ICCPR; Genocide Convention; CEDAW; CAT.

²⁰³ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 50-64; 139; 234. In South Africa, the right to dignity occupies a unique space as the South African Constitution was drafted after the Apartheid government where black people suffered much indignity.

²⁰⁴ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 105.

²⁰⁵ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 104.

²⁰⁶ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 112.

²⁰⁷ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 67.

²⁰⁸ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 69-84.

²⁰⁹ BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 69.

²¹⁰ See BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 98.

²¹¹ DALY, E. Dignity rights: courts, constitutions, and the worth of the human person. 2012. p. 18.

²¹² ALEXY, R.; RIVERS, J. A theory of constitutional rights. Oxford: Oxford University Press, 2009. p. 64.

²¹³ The 2005 German Aviation Security Act (Luftsicherheitsgesetz) Chapter 14 Section 3 authorised the Minister of Defense to order the shooting down of a civilian plane if the plane was being used 'against human life'. The Court found the law to be unconstitutional as it violated the right to dignity; Bundesverfassungsgericht (BVerfG - Federal Constitutional Court), 59 Neue Juristische Wochenschrift (NJW) 751 (2006); See also LEPSIUS, O. Human dignity and the downing of aircraft: the German Federal Constitutional Court strikes down a prominent anti-terrorism provision in the new Airtransport Security Act. German Law Journal, v. 761, 2006.

board of the plane²¹⁴.

In emphasising the right to dignity as a mother right that in certain circumstances takes precedence over other rights and legitimate concerns, the German Federal Constitutional Court observed as follows:

> The hopelessness and inability to take evasive action which marks the situation of the passenger victims on the aircraft also extends to those who order and carry out the shooting down of the aircraft. The flight crew and passengers cannot evade this action by the state due to conditions outside their control but are helplessly at its mercy, with the consequence that they and the aircraft will be deliberately shot down and thus will almost certainly be killed. Such an action ignores the status of the persons affected as subjects endowed with dignity and inalienable rights. By virtue of their killing being used to save others they are treated as objects and at the same time deprived of their rights. Given that their lives are disposed of unilaterally by the state, the persons on board the aircraft who, as victims, are themselves in need of protection are denied the valuation which is due to a human being for his or her own sake²¹⁵.

There are real life situations where the state can lawfully take life but out of the considerations of human dignity, life is saved. For example, there are cases where convicts have been lawfully sentenced to death but stayed on death row for too long a time that it constituted an outrage upon dignity to the extent that the state was forced to change sentence from death sentence to life imprisonment²¹⁶.

When perceived as a right, human dignity has various interpretations. In some jurisdictions, it is interpreted narrowly while other jurisdictions permit wide interpretation of the right²¹⁷. German courts are largely credited for developing and mapping out the content of the right to dignity²¹⁸. As already mentioned above, in terms of the German Basic Law, the right to dignity is considered an absolute right that cannot be subject to any limitation and any limitation by any means is considered unconstitutional²¹⁹. The right to dignity is seen to be violated whenever 'a person is seen as a mere means for fulfilling someone's ends.²²⁰.

Aharon Barak has emphasised that the right to dignity is an important right, it is 'a framework right and a mother right', and all the other rights are 'daughter rights that gather together under its wings.'²²¹ The right to dignity is also considered a gap-filler, where there are no specific provisions providing for lawful treatment of persons, the right to dignity serves as a fall back²²². Examples of human rights that are considered to be 'daughter rights' under the wings of dignity are the right to personality, dignified human existence and subsistence, reputation, family life, equality, freedom of expression, freedom of conscience and due process.

If due process is part of the daughter rights under human dignity, the question becomes whether allowing a machine to assess the need to use lethal or any force against a human being is in line with the demands of due process. Use of computers to decide the guilty or otherwise of accused persons in court has long been rejected²²³. By the same token, the use of an algorithm to decide whether a person lives or dies may as well be condemned.

As already noted above, a question may arise as to the correctness or efficacy of relying on the right to dignity in the AWS debate. This is mainly because many scholars argue that the right to dignity is not only fluid and flexible but vague²²⁴. On account of its flexibility and lack of precise definition, commentators may

²¹⁴ Bundesverfassungsgericht (BVerfG – Federal Constitutional Court), 59 Neue Juristische Wochenschrift (NJW) 751 (2006); See also LEPSIUS, O. Human dignity and the downing of aircraft: the German Federal Constitutional Court strikes down a prominent anti-terrorism provision in the new Air-transport Security Act. *German Law Journal*, v. 761, 2006.

²¹⁵ Bundesverfassungsgericht (BVerfG – Federal Constitutional Court), 59 Neue Juristische Wochenschrift (NJW) 751 (2006); See also LEPSIUS, O. Human dignity and the downing of aircraft: the German Federal Constitutional Court strikes down a prominent anti-terrorism provision in the new Air-transport Security Act. *German Law Journal*, v. 761, 2006.

²¹⁶ MCKENZIE v Jamaica, Case 12.023, Inter-American Commission on Human Rights, Report Number 41/00, OEA/Ser.L/V/ II.106 doc.3 (2000). See also NOVAK, R. *The global decline of the mandatory death penalty:* constitutional jurisprudence and legislative reform in Africa, Asia, and the Caribbean. Ashgate Publishing, 2014. p. 62.

²¹⁷ BARAK, A. Human dignity. Cambridge: Cambridge University

Press, 2015. p. 20.

²¹⁸ DALY, E. *Dignity rights*: courts, constitutions, and the worth of the human person. 2012. p. 178.

²¹⁹ See Section 1(1) of *Grundgesetz*, See also BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 20.

²²⁰ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 20.

²²¹ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 156; 160; 252.

²²² BARAK, A. Human dignity. Cambridge: Cambridge University Press, 2015. p. 21.

²²³ GERSTING, J. L.; GEMIGNANI, M. C. *The computer*: history, workings, uses & limitations. Ardsley House, 1988. p. 270.

²²⁴ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 21.

argue that the right to dignity gives judges too much power and discretion which is subject to abuse. More so, whoever wants to use the right to dignity may interpret it in a way that fits or support their argument. For that reason, the right to dignity has been perceived as a 'conversation stopper.'²²⁵.

However, it can be observed that the right to dignity is not the only right that is broad and vague. Other human rights such as the right to liberty and equality are equally broad if not vague yet this does not stop commentators and judges from relying on them. If anything, judges have experience and are accustomed to interpreting these rights as they are armed with many interpretation aids and tools. In this sense and with particular reference to the right to dignity, Aharon Barak has argued that 'what appears to the theologian and the philosopher as a limitless right appears to the judge as a right that is hemmed in the rules of interpretation.'²²⁶ The essence of the argument is that the right to dignity is not incapable of meaning.

Aharon Barak has suggested three ways by which one can give content to the right to dignity: determining the content of human dignity through theological models, determination of the content through philosophical models and the constitutional models²²⁷. If all these models are considered, the idea of what is dignified and what is not, becomes clear. I have already given examples of Judaism, Christianity and Islam as religions that give content to human dignity. The human person is special, sacred and a living image of God and deserves the utmost respect²²⁸. To violate the dignity of the human person in this sense is to transgress against God himself²²⁹. When a human being is viewed as an end, respect continues even after the soul departs from the body, that is why acts that are outrages upon personal dignity can be committed even on a dead body²³⁰. It is for those reasons that there are laws in many jurisdictions giving relatives of condemned persons the right to

accord their relative a proper burial.

As already highlighted above, for dignity to be preserved, force must only be used against a person by a human being since it is the human alone who is capable of reasoning. This is the position of scholars such as Dworkin, Margalit, Statman and Kant only to mention a few.²³¹ Thus before taking someone's life or using force against them - even legitimately so - there should be deliberation by a human being, assessment and evaluation of the reasons thereof²³². As I will discuss in Chapter 6, the content of human dignity is intrinsically linked to the notion of humanity. When viewed from the standpoint of humanity, dignity is where a person is seen as a human being, a being with 'autonomy of will'; in this sense 'humanity of the person is seen as the rejection of viewing a person as a mere means.²³³ Something important is seen in every human being, something that deserves respect²³⁴.

6.12. Are AWS in line with human dignity?

Having discussed the notion of ubuntu or humanity by considering the role it has played in Africa and international, also how the concept is also based on the need to preserve human dignity, I emphasise that to allow AWS 'the power to kill seems a bit too much like setting a mousetrap for human beings; to do so would be to treat our enemies like vermin.²³⁵ The vivid mouse--analogy is fully expressed by Aaron Johnson who cites the fundamental right to dignity in objecting the idea of delegating the decision to kill to AWS.

> A mouse can be caught in a mouse-trap, but a human must be treated with more dignity. A mouse-trap kills targets with certain characteristics based on certain behaviour, i.e. anything of sufficient mass eating or, at least, touching the bait. The trigger is designed to attack based on the mouse-trap's perception of the target and its actions. The complexity of the trigger is not what we are concerned with – a mouse can

²²⁵ BARILAN, Y. M. *Human dignity, human rights, and responsibility:* the new language of global bioethics and biolaw. 2012. p. 2.

²²⁶ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 21.

²²⁷ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 114 -120.

²²⁸ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 114.

²²⁹ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 114.

²³⁰ See Practice relating to Rule 113 of ICRC Customary international humanitarian law on the treatment of the dead.

²³¹ BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 116 -119.

²³² BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 116 -119.

²³³ See BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 130.

²³⁴ See BARAK, A. *Human dignity*. Cambridge: Cambridge University Press, 2015. p. 130.

²³⁵ SPARROW, R. Robotic weapons and the future of war. In: WOLFENDALE, J.; TRIPODI, P. (Ed.). *New wars and new soldiers*: military ethics in the contemporary world. Ashgate Publishing, 2011. p. 11.

be killed by a machine, as it has no inherent dignity. A robot is in a way like a high tech mouse-trap, it is not a soldier with concerns about human dignity or military honour. Therefore, a human should not be killed by a machine as it would be a violation of our inherent dignity²³⁶.

In furthering the dignity argument, Jay Strawser states that 'the user [of AWS] fails to express his own dignity likely because he fails to respect the victims' dignity'²³⁷, 'the idea that in turning these decisions over to machines, human persons fail to satisfy reflexive duties to respect their own rationality, autonomy or dignity, they fail to take responsibility for their own actions.'²³⁸.

Heyns echoes the same sentiments as he states that giving robots the power to decide who to kill paints an image of 'AWS as some kind of mechanized pesticide.²²³⁹ To that end and notwithstanding whether robots can do better than humans, Heyns argues that the overriding consideration may be whether it is acceptable to let machines decide whom to kill. If it is unacceptable, then 'no other consideration can justify deployment of AWS no matter the level of technical competence at which they operate.²²⁴⁰.

Further, Heyns succinctly summarises the impact and undesirability of taking humans out of the loop in the use of lethal force: now that AWS 'lack morality and mortality'²⁴¹, 'taking humans out of the loop risks taking humanity out of the loop.'²⁴² Given that humans not only have the capacity to adhere to the minimum set standard 'but they also hold the potential to adhere to higher values' unlike AWS 'which lack the capacity to rise above minimum standards', giving robots the power to make decisions on who to kill leads to 'a vacuum of moral responsibility²⁴³ which is tantamount to 'giving up on hope for a better world.²⁴⁴ To that end, Heyns postulates that allowing a machine to make a decision to take life may be 'inherently arbitrary and all resulting deaths [constituting] arbitrary deprivations of life.²⁴⁵.

Ron Arkin reflects that if taking a human out of the loop is the crux of the matter, then one question needs to be answered; 'what level is the human in the loop?'²⁴⁶ He argues that several military robotics such as the Phalanx system for Aegis-class cruisers and the South Korean robot platform mentioned in Chapter 1 already operate with very limited human supervision²⁴⁷. In an attempt to answer that question, Arkin seems to contradict the proposed definition of AWS, a definition which points to the important aspect of the decision to kill being made by a machine without human intervention. A close reading of most of Arkin's works suggests that in as much as AWS may have the capability to make the decision to kill, that decision will be monitored and supervised by the human operator. The issue, however, which has brought much concern is not whether it is possible for a human operator to supervisor AWS. The concern is of creating machines which, albeit the possibility of human supervision, have the capability to make a decision to kill and execute it without a human intervention or contribution to that decision. The international community, arguably, cannot take solace in the mere fact that it is technically possible for a human to monitor, a possibility which may dwindle to nothing once AWS become available and are deployed.

²³⁶ JOHNSON. A. M. The morality of autonomous robots. *Journal of Military Ethics, v.* 134, 2013.

²³⁷ STRAWSER, J. *Killing by remote control:* the ethics of an unmanned military. Oxford: Oxford University Press, 2013. p. 239.

²³⁸ STRAWSER, J. *Killing by remote control:* the ethics of an unmanned military. Oxford: Oxford University Press, 2013. p. 237.

²³⁹ A/HRC/23/47, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 9 April 2013, p 18 para 95.

²⁴⁰ A/HRC/23/47, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 9 April 2013p 17 para 93.

²⁴¹ A/HRC/23/47, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 9 April 2013, p 17 para 94.

²⁴² A/HRC/23/47, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 9 April 2013, p 16 para 89.

²⁴³ A/HRC/23/47, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 9 April 2013, p 17 para 93.

A/HRC/23/47, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 9 April 2013, p 18 para 97.

²⁴⁵ A/HRC/23/47, Report of the Special Rapporteur on extrajudicial, summary or arbitrary executions, Christof Heyns, 9 April 2013, p 17 para 90.

²⁴⁶ ARKIN, R. *Governing Lethal Behavior*: embedding ethics. Hybrid Deliberative Reactive Robot Architecture. Technical Report GIT-GVU-07-11. Available at: http://www.cc.gatech.edu/ai/robot-lab/online-publications/formalizationv35.pdf. p 4.

²⁴⁷ ARKIN, R. Governing lethal behaviour: embedding ethics in a hybrid deliberative/reactive robot architecture. *Technical Report GIT-GVU*, 2011.

7. CONCLUSIONS

In conclusion, it is noted that the African notion of ubuntu or humanity is relevant to the AWS debate. Of course, they may be scholars who argue that notions of humanity and dignity are incapable of meaning or that there are too vague to be relied on hence their irrelevance. However, as I have discussed in this paper, these terms are capable of meaning and have since been relied upon before in the formulation of laws and policies. I also emphasise that in this on-going debate on AWS, African states should more fully participate, not only because they may be affected by this kind of technology in the future but because African perspective on the notion of humanity or ubuntu should be heard in this debate. As regard how AWS without meaningful human control impact on the notion of ubuntu or humanity, I conclude that they are inconsistent with this notion and their use will violate the important right to dignity. This means that even if AWS were to be technically capable of using force against legitimate targets, it may still amount to an affront to human dignity since only humans must make the decision on the use of force.

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