
From the Selected Works of Nyagudi M Nyagudi, B.Sc. Math & Phy (Nairobi, 1997), M.Sc. Info. Sys. (equiv. 2013), PhD in Military Informatics (OpenPhD, 2016)

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Doctor of Philosophy Thesis in Military Informatics : Lethal Autonomy of Weapons is Designed and/or Recessive

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Title :

Doctor of Philosophy Thesis in Military Informatics (OpenPhD) : Lethal Autonomy of Weapons is Designed and/or Recessive [1]

Abstract :

My original contribution to knowledge is : Any weapon that exhibits intended and/or unintended lethal autonomy in targeting and interdiction – does so by way of design and/or recessive flaw(s) in its systems of control – any such weapon is capable of war-fighting and other battle-space interaction in a manner that its Human Commander does not anticipate. Even with the complexity of Lethal Autonomy issues there is nothing particular to gain from being a low-tech Military. Lethal autonomous weapons are therefore independently capable of exhibiting positive or negative recessive norms of targeting in its perceptions of Discrimination between Civilian and Military Objects, Proportionality of Methods and Outcomes, Feasible Precaution before interdiction and its underlying Concepts of Humanity. Additionally Lethal Autonomy in Human-interacting Autonomous Robots is ubiquitous[designed and/or recessive]. This marks the completion of an Open PhD (#openphd) project done *in sui generis* form.

Thesis :

Lethal Autonomy of Weapons is Designed and/or Recessive [1], [2], [3], [4], [5], [6], [7], [8], [9], [10], [11]

Conclusion :

As Stated Above

References :

- [1] Nyagudi Musandu Nyagudi, Affidavit in Appendix
- [2] Nyagudi Musandu Nyagudi, “Humanitarian Algorithms : A Codified Key Safety Switch Protocol for Lethal Autonomy” (Open Access)
- [3] Nyagudi Musandu Nyagudi, “Revolution in Military Affairs : An Intuitive Informatics Model for Evaluating a Commander's Proficiency” (Open Access)
- [4] Nyagudi Musandu Nyagudi, “Tackling the “Gremlins Paradox”: Autonomous Hot Swap Healing Protocol for Chronic Performance Problem Aversion in On-board Mission Critical Systems on Lethal Autonomous Weapons” (Open Access)
- [5] Nyagudi Musandu Nyagudi, Sought for and Interviewed as an Expert on “Operation Linda Nchi” by the BBC(British Broadcasting Corporation) World Service Radio – 31st/10/2011 at 6:30am Nairobi (Open Access)
- [6] Nyagudi Musandu Nyagudi, “Affidavit on Universities Academic Freedom in Kenya”, (Open Access) – Affidavit supporting independent Academia e.g Open PhD
- [7] Nyagudi Musandu Nyagudi, “Autonomous Cars and Driverless Lethal Autonomy” (Open)
- [8] Davies, R.E. & Rolfe, G.(Nurse Education Today – *Elsevier* 290(2009) 590 – 594), “*PhD by Publication: A prospective as well as retrospective award? Some subversive thoughts*”
- [9] Nyagudi Musandu Nyagudi, Book Review : "Operation Linda Nchi" - Kenya's Military Experience in Somalia by KDF/MoD Kenya (Open Access)
- [10] Nyagudi Musandu Nyagudi, “Post-Westgate SWAT: C4ISTAR Architectural Framework for Autonomous Network Integrated Multifaceted Warfighting Solutions Version 1.0: A Peer-Reviewed Monograph” (Open Access)
- [11] Nyagudi Musandu Nyagudi, “Clinical Informatics: Recursive Concurrence Intravenous Medication Administration Systems Protocols for Addressing the Potential Problem of Recessive Lethal Autonomy in Smart Infusion Systems” (Open Access)

Appendix (Next page - Affidavit)

**REPUBLIC OF KENYA
IN THE MATTER OF OATHS AND STATUTORY
DECLARATIONS ACT (CAP. 15) LAWS OF KENYA
IN THE MATTER OF**

**Doctor of Philosophy Thesis in Military Informatics:
Lethal Autonomy of Weapons is Designed and/or Recessive .**

**Doctoral Equivalency Statement in lieu of Master of Science (M.Sc.) and Doctoral(Dr.)
Degrees recognized/required by way of any Statutory Provisions in the Laws of Kenya.**

AFFIDAVIT

I, **NYAGUDI MUSANDU NYAGUDI** of P.O. Box 35427-00200, Nairobi, a Male Kenyan Citizen born on 11th/11/1973 residing in Nairobi, KENYA do hereby make oath and state as follows:

1. **THAT** notwithstanding any other written law I assert Constitution of Kenya: Articles 2 & 33(1)
2. **THAT** I possess Master of Science and Doctor of Philosophy Equivalency in Military Informatics
3. **THAT** I have demonstrated conspicuously unassailable expertise in Lethal Autonomy Informatics
4. **THAT my original contribution is : Lethal Autonomy of Weapons is designed and/or recessive.**
5. **THAT** I am an Expert listed on DBLP Computer Science Bibliography sponsored by Universität Trier and SCHLOSS DAGSTUHL Leibniz-Zentrum für Informatik, Federal Republic of Germany.
6. **THAT** my h-index of 2 and works downloads count of 2000+ exceeds those of many Doctoral Graduates in empirical Times Higher Education World Universities Ranking, TES Global Ltd, UK
7. **THAT** my Lethal Autonomy and Military Affairs papers are cited in Expert Research at Harvard University, Air University, Auburn University, Norges Miljø-økonomiske Universitet. etc
8. **THAT** I have publications at SIPRI Library, NCJRS .GOV, Australian Defence Force Journal, etc
9. **THAT** I am holder of Certificate of Competence, No. P24367 (Distinction, 2007) Institute of Advanced Technology – Nairobi, Network Support Specialist, [80-Hour Instructor Led Course].
10. **THAT** by 2014 I completed Master of Science in Information Systems contact hours and credits recognized by Government of Kenya: Computer Architecture(Grade: B), Foundations of Artificial Intelligence(Grade: B), Database Design & Management(Grade: B), Operating Systems(Grade: C), Computer Network Concepts and Principles(Grade: B), Systems Analysis & Design(Grade: C), ICT Project Management(Grade: C), ICT and Society(Grade: C), Object-Oriented Technologies(Grade: B), Research Methodologies in Information Systems(Grade: C), Management Information Systems(Grade: A), Internet Applications(Grade: C), Information Systems Security, Control and Audit(Grade: A) Programming Methodology(Grade: A), Data Structures & Algorithms(Grade: A)
11. **THAT** I was sought for and interviewed as an Expert on “Operation Linda Nchi” by the BBC(British Broadcasting Corporation) World Service Radio – 31st/10/2011 at 6:30am Nairobi
12. **THAT** I was an Expert Contributor to: a. Kenya Forestry Service: Intelligence Training (2012&13), b. Directorate of Criminal Investigations–Kenya: 5 Year Strategic Plan(2014–19) & Intelligence-Led Policing Strategy(2015), c. Security Training, Kenyatta International Convention Centre by Administration Police Service – pre-Global Entrepreneurship Summit – 6th/7/2015 before President Obama of USA visited Kenya [T. Depenbrock, Diplomatic Security USA also Lectured].
13. **THAT** I was Faculty: Egerton University(Department of Peace, Security&Social Studies 2010)
14. **THAT** by virtue of my training, knowledge, experience and usage of my research I am qualified to teach and examine related Informatics and Military courses at all levels of University Education
15. **THAT** e.g. Davies, R.E. & Rolfe, G.(Nurse Education Today – Elsevier 290(2009) 590 – 594), “PhD by Publication: A prospective as well as retrospective award? Some subversive thoughts”
16. **THAT** I am irrevocably referred to as Dr. by persons/organizations that accept this Equivalency.
17. **THAT** what is deponed hereinabove is true to the best of my knowledge, information and belief

SWORN by the said **NYAGUDI MUSANDU NYAGUDI**
In Nairobi this 9th day of the Twelfth Month of 2016

) *Nyagudi*
)
) **DEPONENT**

BEFORE ME

[Signature]

COMMISSIONER OF OATHS/MAGISTRATE

