



MORS AI and Autonomy II Workshop (25-28 Oct 2021) Recommended Reading List

- 1) Washington Post - - "Tesla Owners can now Request 'Full Service Driving', Prompting Criticism from Regulators and Safety Advocates";
<https://www.washingtonpost.com/technology/2021/09/24/tesla-full-self-driving/>
- 2) Newsweek - - US is Only Nation with Ethical Standards for AI Weapons. Should we be Afraid?;
<https://www.newsweek.com/2021/09/24/us-only-nation-ethical-standards-ai-weapons-should-we-afraid-1628986.html>
- 3) Forbes - - "How the United States Army is Leveraging AI: Interview with Kristin Saling Chief Analytics Officer and Acting Director Army People Analytics";
https://www.forbes.com/sites/cognitiveworld/2021/08/28/how-the-united-states-army-is-leveraging-ai-interview-with-kristin-saling-chief-analytics-officer--acting-dir-army-people-analytics/?sh=7f590546cc34&utm_source=divr.it&utm_medium=linkedin
- 4) Wired Magazine - - "Why Tesla is Designing Chips to Train Its Self Driving Tech";
<https://www.wired.com/story/why-tesla-designing-chips-train-self-driving-tech/>
- 5) Wired Magazine - - "A New Chip Cluster Will Make Massive AI Models Possible";
<https://www.wired.com/story/cerebras-chip-cluster-neural-networks-ai/>
- 6) Wired Magazine - - "Tesla Bot takes Tech Demos to their Logical, Absurd Conclusion";
<https://www.wired.com/story/tesla-bot-takes-tech-demos-to-their-logical-conclusion/>
- 7) Nerdist.com - - "Walt Disney Imagineering is Developing Walking Animatronics";
<https://nerdist.com/article/disney-parks-robots-walking-animatronics-imagineering-baby-groot/>
- 8) Seeking Alpha - - "AI Powered ETF Still All In on Stocks and Finding More Value_ Alpha Tactics_";
www.seekingalpha.com/amp/news/3730529-ai-powered-etf-still-all-in-on-stocks-and-finding-more-value
- 9) Washington Post - - "AI Gave Val Kilmer his Voice Back. But Critics Worry the Technology could be Misused"; <https://www.washingtonpost.com/technology/2021/08/18/val-kilmer-ai-voice-cloning/>
- 10) Dr. John Hanley; "Games, Game Theory, and Artificial Intelligence"

Games_game theory
and artificial intelligence
- 11) Wired Magazine - - "Trucks Move Past Cars on the Road to Autonomy";
<https://www.wired.com/story/trucks-move-past-cars-road-autonomy/>

- 12) Vox - - "From Macy's to Albertsons, Facial Recognition is Already Everywhere";
<https://www.vox.com/2021/7/15/22577876/macys-fight-for-the-future-facial-recognition-artificial-intelligence-stores>
- 13) Washington Post - - "The AI We Should Fear is Already Here";
<https://www.washingtonpost.com/opinions/2021/07/21/ai-we-should-fear-is-already-here/>
- 14) Wired Magazine - - "The Pentagon Is Bolstering Its AI Systems—by Hacking Itself";
<https://www.wired.com/story/pentagon-bolstering-ai-systems-hacking-itself/>
- 15) Final 2021 Report National Security Commission on Artificial Intelligence (NSCAI)

Final 2021 Report
NSCAI.pdf
- 16) Washington Post Magazine - - "Can Computer Algorithms Learn to Fight Wars Ethically?";
<https://www.washingtonpost.com/magazine/2021/02/17/pentagon-funds-killer-robots-but-ethics-are-under-debate/?arc404=true>
- 17) Wired Magazine - - "This Chinese Lab Is Aiming for Big AI Breakthroughs";
<https://www.wired.com/story/chinese-lab-aiming-big-ai-breakthroughs/>
- 18) Wired Magazine - - "Former DoD Head: The US Needs a New Plan to Beat China on AI";
<https://www.wired.com/story/former-dod-head-us-needs-new-plan-to-beat-china-ai/>
- 19) Wired Magazine - - "The Robot Ships Are Coming ... Eventually";
<https://www.wired.com/story/mayflower-autonomous-ships/>
- 20) Washington Post - - "Waymo Driverless Rides";
<https://www.washingtonpost.com/technology/2020/10/08/waymo-driverless-rides/>
- 21) "Mitchell [Institute] Touts Low Cost Drones as Force Multipliers";
https://breakingdefense.com/2020/10/mitchell-touts-low-cost-drones-as-force-multipliers/?utm_campaign=Breaking%20Defense%20Air%20&utm_medium=email&_hsmt=96558945&_hsenc=p2ANqtz-Z8EXNM-blbnkWQAtOZ8F2I1JUCPNEI532fGlog1qPS48ROJurIkQPJHlwKv9ctSdaYe6oxON7wd0sYI5aQGRkIE09_w&utm_content=96558945&utm_source=hs_email
- 22) SANDBOXX - - "AI Wins Flawless Victory Against Human Fighter Pilot in DARPA Dogfight";
<https://www.sandboxx.us/blog/ai-wins-flawless-victory-against-human-fighter-pilot-in-darpa-dogfight/>
- 23) Vox - - "2023 and 2024 Could be a Pair of Interesting Years (for Self-Driving / Autonomous Freight Trucks in US)";
<https://www.vox.com/recode/2020/7/1/21308539/self-driving-autonomous-trucks-ups-freight-network>

<https://www.smbc-comics.com>



Thanks to machine-learning algorithms,
the robot apocalypse was short-lived.

25) Dr. Nathaniel Bastian and Dr. Peter Schwartz; "AI Maturity Model"



Bastian_Schwartz -

26) AI Maturity Model.pc

27) "Australian-Designed AI Attack Drone Prototype Unveiled by Boeing Ahead of Mass Production"; <https://www.abc.net.au/news/2020-05-05/ai-attack-drone-australian-designed-prototype/12215612?fbclid=IwAR1UNycizucANMK2Mki38EpYTSuBZgrw0meyOG6G3VkunRsB9Mo9GUAWIQg>

28) "Recording Now Available - Operationalizing AI in Health"; <https://youtu.be/mNzfxMhyQbQ>

29) Mr. Bob Chalmers and Dr. Adam Watkins; "Intro to Autonomous Systems Course" (first two hours)



Bob Chalmers - -
Intro to Autonomous

30) Wired Magazine - - "Researchers Will Deploy AI to Better Understand Coronavirus"; <https://www.wired.com/story/researchers-deploy-ai-better-understand-coronavirus/>

31) Wired Magazine - - "If AI's So Smart, Why Can't It Grasp Cause and Effect?"; <https://www.wired.com/story/ai-smart-cant-grasp-cause-effect/>

32) Wired Magazine - - "Forget Chess - The Real Challenge Is Teaching AI to Play D&D"; <https://www.wired.com/story/forget-chess-real-challenge-teaching-ai-play-dandd/>

33) Fortune - - "In A.I., what would Jesus do?"; <https://www.fortune.com/2020/02/28/ai-ethics-vatican-microsoft-ibm/amp/>

34) Cision PR Newswire - - "Oxbotica and Cisco to Solve Autonomous Vehicle Data Challenge with Pioneering OpenRoaming Platform"; <https://www.prnewswire.com/news-releases/oxbotica-and-cisco-to-solve-autonomous-vehicle-data-challenge-with-pioneering-openroaming-platform-301012266.html>

35) Army Technology (14 Oct 2019, Updated 8 Jul 2020) - - "DARPA's Grand Challenge at 15: How Far Have Autonomous Military Vehicles Come"; <https://www.army-technology.com/features/darpas-grand-challenge-at-15-how-far-have-autonomous-military-vehicles-come/>

36) Wired Magazine - - "Chinese Hospitals Deploy AI to Help Diagnose Covid-19"; <https://www.wired.com/story/chinese-hospitals-deploy-ai-help-diagnose-covid-19/>

- 37) DoD Press Release 24 Feb 2020 - - "DoD Adopts Ethical Principles for Artificial Intelligence"; <https://www.defense.gov/Newsroom/Releases/Release/Article/2091996/dod-adopts-ethical-principles-for-artificial-intelligence/source/GovDelivery/>
- 38) Wired Magazine - - "Defeated Chess Champ Garry Kasparov Has Made Peace With AI"; https://www.wired.com/story/defeated-chess-champ-garry-kasparov-made-peace-ai/#intcid=recommendations_wired-homepage-right-rail-popular_33a90435-d108-40de-b5ab-2c89267bcd67_popular4-1
- 39) Interesting Quote from Kasparov . . . "People say, oh, we need to make ethical AI. What nonsense. Humans still have the monopoly on evil. The problem is not AI. The problem is humans using new technologies to harm other humans."
- 40) Wired Magazine - - "This Technique Uses AI to Fool Other AIs"; <https://www.wired.com/story/technique-uses-ai-fool-other-ais/>
- 41) Defense One - - "Pentagon to Adopt Detail Principles for Using AI"; <https://www.defenseone.com/technology/2020/02/pentagon-adopt-detailed-principles-using-ai/163185/>
- 42) c|net - - "Robot Farmers are Changing the Future of Agriculture - - A Robot Named Sam Rules Over this Atypical Ohio Farm"; <https://www.cnet.com/google-amp/news/robots-are-changing-the-future-of-farming/>
- 43) recode - - "Scientists are Identifying Potential Treatments for Coronavirus via Artificial Intelligence"; <https://www.vox.com/recode/2020/2/7/21125959/artificial-intelligence-coronavirus-benevolent-ai-treatment>
- 44) LinkedIn - - "The Death of the Autonomous Vehicle Dream and the Future of Transport"; <https://www.linkedin.com/pulse/death-autonomous-vehicle-dream-future-transport-guy-maskall/>
- 45) Forbes (15 Mar 2019) - - "The Amazing Ways John Deere Uses AI And Machine Vision To Help Feed 10 Billion People"; <https://www.forbes.com/sites/bernardmarr/2019/03/15/the-amazing-ways-john-deere-uses-ai-and-machine-vision-to-help-feed-10-billion-people/?sh=2e3e577b2ae9>
- 46) National Defense Magazine - - "Autonomous Convoy Tech Moves Toward Official Program"; <https://www.nationaldefensemagazine.org/articles/2019/2/22/autonomous-convoy-tech-moves-toward-official-program>
- 47) The Economist (2 Jan 2020) - - "With the State's Help, Chinese Technology is Booming"; <https://www.economist.com/technology-quarterly/2020/01/02/with-the-states-help-chinese-technology-is-booming>
- 48) MIT Technology Review - - "China-US AI Military Spending"; <https://www.technologyreview.com/s/614842/china-us-ai-military-spending/>

- 49) Defense One - - "The Pentagon's AI Ethics Draft is Actually Pretty Good";
<https://www.defenseone.com/technology/2019/10/pentagons-ai-ethics-draft-actually-pretty-good/161005/?oref=d-mostread>
- 50) Washington Post - - "Quantum Revolution is Coming Chinese Scientists are at the Forefront";
<https://www.washingtonpost.com/business/2019/08/18/quantum-revolution-is-coming-chinese-scientists-are-forefront/>
- 51) Wired Magazine - - "AI Algorithms Need Drug Trials"; <https://www.wired.com/story/ai-algorithms-need-drug-trials/>
- 52) Vox - - "Tesla's 2020 Self-Driving Car Promise Sounds too Good to be True Because it is";
<https://www.vox.com/2019/4/23/18513045/tesla-robotaxi-earnings-elon-musk>
- 53) Wired Magazine - - "AI Algorithms Are Now Shockingly Good at Doing Science";
<https://www.wired.com/story/ai-algorithms-are-now-shockingly-good-at-doing-science/>
- 54) Forbes - - "The Rise Of Artificial Intelligence As A Service In The Public Cloud";
<https://www.forbes.com/sites/janakirammsv/2018/02/22/the-rise-of-artificial-intelligence-as-a-service-in-the-public-cloud/?sh=6cabbe7e198e>
- 55) Mindtree - - "Cloud + DevOps + Artificial Intelligence: The New Troika for Intelligent IT Infrastructure"; <https://www.mindtree.com/insights/blog/cloud-devops-artificial-intelligence-new-troika-intelligent-it-infrastructure>
- 56) Mr. Michael Woudenberg, Dr. George "Mark" Waltensperger, Mr. Troy Shideler, and Mr. Jerry Franke; "Systems Engineering of Autonomy: Frameworks for MUM-T Architecture", Defense Systems Information Analysis Center (DSIAC) Journal, Summer 2020, Volume 7, Number 3,
<https://dsiac.org/articles/systems-engineering-of-autonomy-systems-engineering-of-autonomy-frameworks-for-mum-t-architecture/>