An Open Letter to the United Nations Convention on Certain Conventional Weapons

As companies building the technologies in Artificial Intelligence and Robotics that may be repurposed to develop autonomous weapons, we feel especially responsible in raising this alarm.

We warmly welcome the decision of the UN's Conference of the Convention on Certain Conventional Weapons (CCW) to establish a Group of Governmental Experts (GGE) on Lethal Autonomous Weapon Systems. Many of our researchers and engineers are eager to offer technical advice to your deliberations.

We commend the appointment of Ambassador Amandeep Singh Gill of India as chair of the GGE. We entreat the High Contracting Parties participating in the GGE to work hard at finding means to prevent an arms race in these weapons, to protect civilians from their misuse, and to avoid the destabilizing effects of these technologies.

We regret that the GGE's first meeting, which was due to start today, has been cancelled due to a small number of states failing to pay their financial contributions to the UN. We urge the High Contracting Parties therefore to double their efforts at the first meeting of the GGE now planned for November.

Lethal autonomous weapons threaten to become the third revolution in warfare. Once developed, they will permit armed conflict to be fought at a scale greater than ever, and at timescales faster than humans can comprehend. These can be weapons of terror, weapons that despots and terrorists use against innocent populations, and weapons hacked to behave in undesirable ways. We do not have long to act. Once this Pandora's box is opened, it will be hard to close.

We therefore implore the High Contracting Parties to find a way to protect us all from these dangers.

FULL LIST OF SIGNATORIES TO THE OPEN LETTER (sorted by country)

Tiberio Caetano, founder & Chief Scientist at Ambiata, Australia.

Mark Chatterton and Leo Gui, founders, MD & of Ingenious AI, Australia.

Charles Gretton, founder of Hivery, Australia.

Brad Lorge, founder & CEO of Premonition.io, Australia

Brenton O'Brien, founder & CEO of Microbric, Australia.

Samir Sinha, founder & CEO of Robonomics AI, Australia.

Ivan Storr, founder & CEO, Blue Ocean Robotics, Australia.

Peter Turner, founder & MD of Tribotix, Australia.

Yoshua Bengio, founder of Element AI & Montreal Institute for Learning Algorithms, Canada.

Ryan Gariepy, founder & CTO, Clearpath Robotics, found & CTO of OTTO Motors, Canada.

James Chow, founder & CEO of UBTECH Robotics, China.

Robert Li, founder & CEO of Sankobot, China.

Marek Rosa, founder & CEO of GoodAI, Czech Republic.

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Markus Järve, founder & CEO of Krakul, Estonia.

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Raphael Cherrier, founder & CEO of Qucit, France.

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Charles Ollion, founder & Head of Research at Heuritech, France.

Anis Sahbani, founder & CEO of Enova Robotics, France.

Alexandre Vallette, founder of SNIPS & Ants Open Innovation Labs, France.

Marcus Frei, founder & CEO of NEXT.robotics, Germany.

Kirstinn Thorisson, founder & Director of Icelandic Institute for Intelligence Machines, Iceland.

Fahad Azad, founder of Robosoft Systems, India.

Debashis Das, Ashish Tupate, Jerwin Prabu, founders (incl. CEO) of Bharati Robotics, India.

Pulkit Gaur, founder & CTO of Gridbots Technologies, India.

Pranay Kishore, founder & CEO of Phi Robotics Research, India.

Shahid Memom, founder & CTO of Vanora Robots, India.

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Achu Wilson, founder & CTO of Sastra Robotics, India.

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Parsa Ghaffari, founder & CEO of Aylien, Ireland.

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Igor Kuznetsov, founder & CEO of NaviRobot, Russian Federation.

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Jasper Horrell, founder of DeepData, South Africa.

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Satish Ramachandran, founder of AROBOT, United Arab Emirates.

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Steve Allpress, founder & CTO of FiveAI, UK.

Joel Gibbard and Samantha Payne, founders, CEO & COO of Open Bionics, UK.

Richard Greenhill & Rich Walker, founders & MD of Shadow Robot Company, UK.

Nic Greenway, founder of React AI Ltd (Aiseedo), UK.

Daniel Hulme, founder & CEO of Satalia, UK.

Charlie Muirhead & Tabitha Goldstaub, founders & CEO of CognitionX, UK.

Geoff Pegman, founder & MD of R U Robots, UK.

Mustafa Suleyman, founder & Head of Applied AI, DeepMind, UK.

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Antoine Biondeau, founder & CEO of Sentient Technologies, USA.

Brian Gerkey, founder & CEO of Open Source Robotics, USA.

Ryan Hickman & Soohyun Bae, founders, CEO & CTO of TickTock.AI, USA.

Henry Hu, founder & CEO of Cafe X Technologies, USA.

Alfonso Íñiguez, founder & CEO of Swarm Technology, USA.

Gary Marcus, founder & CEO of Geometric Intelligence (acquired by Uber), USA.

Brian Mingus, founder & CTO of Latently, USA.

Mohammad Musa, founder & CEO at Deepen AI, USA.

Elon Musk, founder, CEO & CTO of SpaceX, co-founder & CEO of Tesla Motor, USA.

Rosanna Myers & Dan Corkum, founders, CEO & CTO of Carbon Robotics, USA.

Erik Nieves, founder & CEO of PlusOne Robotics, USA.

Steve Omohundro, founder & President of Possibility Research, USA.

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