

## CHILDREN AND ARTIFICIAL INTELLIGENCE



Urgency to Regulate Artificial Intelligence (AI) and Child Protection

Agency's decision to block Chat

■he Italian Data Protection times we are living in will radically change society. The economic, scien-GPT on March 31st stresses the tific, cultural and public security secimportance of considering the pro- tors will undoubtedly reap many adtection of minors in the midst of the vantages, but we must keep in mind Al revolution in a particular way. The that new responsibilities arise each time a new technology is introduced into the market. This must be considered from the very beginning of any such process by regulators and society alike.

take into account that human physiology evolves and adapt s at its own harmful outcomes and a polarization pace and technological innovations must respect this timing. The deployment of AI in every sector of society is happening too quickly and extensively, without a trial period. Parents and educators don't have the quate than ever before. With the adtime to fully understand the effects on the cognitive and behavioral development of young children and pre- fer believable alternatives to realteens. By five years of age a child's ity, we must ask ourselves how we brain is formed for 90% of its devel- can protect childhood from violent opment. However, it is around the or sexual images that can generate age of eight that the brain becomes trauma when experienced at an early most vulnerable to the input of inage. There are already, for example, formation, and is thus shaped by it. software programs capable of cre-Many studies show the increased ating goodnight stories for children production of the hormones cortisol and dopamine caused by an excessive use of social media. This effect moment, which could replace books has been described as "digital crack by seeming to offer greater practical and cocaine" by sociologist Julie Albright of USC-Dornsife in Los Angeles, California.

ing developed with the integration of Al, interacting with children by registering their voice, facial expressions, reactions and emotions. The gathering of biometric data, which chilissues. These outcomes could soon dren are not aware of and families engulf young people, with the diffuare not sufficiently informed about, sion of antisocial behaviors, anxiety, makes it possible to produce content that "hooks" young users beyond eating disorders and online groomhealthy levels, turning them into addicted consumers. We already know rics Association. how social networking - promoted as a system to connect people, share photographs and information, assist small businesses find new clients or debate and defend the freedom of speech – has had social, moral and le-

have imagined.

Just in the sector of the now "traditional" social media, the absence of clear regulations and laws stemming from a truly public debate be-The race for technology should tween legislators, bioethicists, scientists and intellectuals has allowed of politics that are actually weakening the foundations of democracy in many parts of the world.

Today the guidelines offered by society are more fragile and inadevent on the market of software producing images and content that oftailored to the emotions that the developers want to solicit at any given advantages and variety.

In a world in which suicide is the second leading cause of death Toys and games are already be- amongst teen-agers, this new phase must be thoroughly researched and understood by regulators, who are largely responsible for avoiding a further wave of social and mental health isolation, depression, cyberbullying, ing, as decried by the Italian Pediat-

The research, "Ethics of the Attention Economy: The Problem of Social Media Addiction" (Bhargava and Velasquez, 2020), found that if a digital technology is offered to users for free or at low cost, the profits derive gal consequences that no one could from the user's "engagement", which

becomes then itself a commodity. This business model, centered around a user's digital dependency, is promoted by technology companies, facilitating a serious moral and ethical problem which is seldom debated as much as drug, alcohol and tobacco addictions are. The researchers explain how technology platforms are designed with the objective of keeping users in front of the screen as long as possible, constantly escalating their use. In the era of AI this is even more significant because the more time is spent online, the more data is gathered, and the process becomes a vicious cycle to the advantage of Al providers.

In this "Attention Economy" the first victims of the absence of regulation are children and young people who are not always under strict parental control, and lack the tools to discern between responsible or harmful use of content. For these reasons, it is crucial to decide if we really are ready to regulate this new technology while still using our current, outdated tools before greenlighting AI for children and teens. Rigorous scientific studies are needed to legislate correctly. Failing to regulate the "online landscape", the protection of this fragile category of citizen's biometric data, ignoring what the behavioral sciences teach us about the development of children's and minor's physiology and social interactions, would be a terrible mistake.

A country's biggest asset is its younger generation. As responsible adults, we must find solutions so that children and teen-agers can become healthy individuals and attentive citizens, the international community must discern critically and scientifically to prevent new types of addictions and it must act swiftly. �

\*Senior Foresight Practitioner

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