

## ARTIFICIAL INTELLIGENCE AND SOCIAL WELLBEING

LJUBIŠA BOJIĆ<sup>1</sup>, MILAN ČABARKAPA<sup>2</sup> and IGOR PANTIĆ<sup>3</sup>

<sup>1</sup> Institute for Artificial Intelligence R&D of Serbia

<sup>2</sup> Faculty of Engineering Sciences, University of Kragujevac, Serbia

<sup>2</sup> Faculty of Medicine, University of Belgrade, Serbia

Contact email: [ljubisa.bojic@ivi.ac.rs](mailto:ljubisa.bojic@ivi.ac.rs)

**Keywords:** 1. Artificial Intelligence, Social Wellbeing, Emerging Technologies, Ethical Implications, Digital Revolution

### ABSTRACT

In the wake of a new era, the digital revolution, spearheaded by groundbreaking advancements such as Artificial Intelligence, Blockchain, the Internet of Things (IoT), the Metaverse, Neuralink, 5G technology, Autonomous Vehicles, the field of Robotics, and the conversational AI model of ChatGPT, among others, has significantly brought about a transformation that has never been witnessed before in the societal fabric.

These AI driven state-of-the-art technologies have introduced developments that bridge the gap between reality and the virtual world, offering new realms of possibilities that go beyond the boundaries of human imagination. With their increasing adoption and integration into our daily lives, it becomes critical to investigate their profound implications, specifically focusing on social wellbeing, which spans a multitude of dimensions, including the physical, mental, emotional, and societal aspects.

These technologies hold immense potential in enhancing human capabilities, taking them to unprecedented heights. For instance, AI has revolutionized how we work, learn and interact; Blockchain has introduced a new level of transparency and security in transactions; the Metaverse and IoT present a holistic, connected world contributing to efficient ecosystems; Neuralink promises to redefine human intellect and abilities; 5G technology is set to revamp digital connectivity; and the advent of Autonomous Vehicles and Robotics evaluates the very concept of automation and independent systems.

But more importantly, these technologies play a vital role in enriching social interactions. The Metaverse enables immersive experiences that redefine how we connect, collaborate, and form virtual communities. Chatbots like ChatGPT provide real-time, personalized interactions, creating new avenues for communication and information dissemination. Neuralink could potentially revolutionize communication, and IoT-based smart home devices reduce barriers, promoting an all-inclusive society.

Despite the evident benefits, the rapid adoption of these technologies also introduces new ethical, privacy, and social dilemmas. Questions about data ownership, privacy breaches, wealth disparity, misuse of technology, ethical considerations around AI decision-making, and the psychological implications of an increasingly digitized world become more pertinent than ever before.

Hence, a comprehensive review and investigation are warranted to address these emerging challenges and guide the future trajectory of these technological integrations. This symposium is designed to precisely serve this purpose. It seeks to provide a platform for scientists from various fields to unravel and understand these implications better. It aims to explore ways to leverage the potential benefits, mitigate risks, and devise strategies for ethical conundrums, integrating these technologies into our society smoothly to enhance social wellbeing in the truest sense.

Topics:

1. The Metaverse: A comprehensive study of the Metaverse's potential to reshape social interactions, identities and the mental health implications it presents.
2. Recommender Systems: Explore how Recommender Systems revolutionize decision-making, user experiences, and the privacy issues they inherently bring to the table.
3. Blockchain: Evaluating the prospects of Blockchain technology in fostering social equity, cyber security and enhancing transparency in digital transactions.
4. 5G and IoT: Deep-dive into how 5G and IoT redefine digital connectivity, their pivotal role in creating smart, interconnected societies, and potential concerns regarding data security and health effects.
5. Autonomous Vehicles: Analysis of how Autonomous Vehicles can transform transportation, potentially improving accessibility, safety, and social equity, while acknowledging the ethical and regulatory challenges they pose.
6. Robotics: Discussing the potential effects of Robotics on the employment sector, the social stratification they could cause, and the societal preparation required for a robot-integrated future.
7. Neuralink and GPT-3 Chatbots: Assessing the potential of Neuralink and GPT-3 powered chatbots in reshaping human-AI coexistence, while reviewing concerns around ethics, mental health, and human augmentation.
8. Emerging Technologies: Navigating Ethical, Societal and Privacy Dilemmas – A thorough discourse on the societal impact, ethical conundrums, and privacy issues introduced by these technological advancements, and how they can be managed effectively.

The symposium hopes to catalyze a dialogue on the role of AI and related tectonic shifts in technology in enhancing social wellbeing - helping chart out a path towards a future where these technologies serve societal progress responsibly and equitably.