

Discussion Group on Comparative Constitutional Law and Theory

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The Human Brain and Artificial Intelligence (AI): Regulatory, Interdisciplinary and Institutional Challenges

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Sigmund Freud University | Lassallestraße 3, 1020 Vienna



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Recent and rapidly evolving advances in the field of AI and neurotechnologies now seem to allow to deploy AI systems to subliminally alter a person's behavior and exploit the potential vulnerabilities of humans. AI systems, in combination with other technologies, pose serious threats to the freedom of thought and a cognitive liberty at large.

In response to growing ethical concerns about potential dangers posed by AI, the European Union (EU) has recently adopted the Artificial Intelligence Act (AI Act). Already in 2021, the United Nations Educational, Scientific and Cultural Organization (UNESCO) recognized AI as an issue of global regulatory concern and highlighted the serious dangers posed to the human mind, when it adopted the Recommendation on the Ethics of Artificial Intelligence.

Against the backdrop of the serious regulatory challenges posed by AI, neurotechnologies and other related technologies, the paper will present the various regulatory, interdisciplinary and institutional questions raised by the current global debate about the regulation of AI.

Biography

Rostam J. Neuwirth is Professor of Law and Head for Department of Global Legal Studies at the University of Macau. Previously, he taught at the West Bengal University of Juridical Sciences (NUJS) in Kolkata and the Hidayatullah National Law University (HNLU) in Raipur (India) and worked as a legal adviser in the Department of European Law of the International Law Bureau of the Austrian Federal Ministry for Foreign Affairs. He received his PhD degree from the European University Institute (EUI) in Florence (Italy) and also holds a master's degree in law (LLM) from the Faculty of Law of McGill University in Montreal (Canada). As an undergraduate he studied at the University of Graz (Austria) and the Université d'Auvergne (France). He is the author of the books 'The EU Artificial Intelligence Act: Regulating Subliminal AI Systems' (Routledge 2023) and 'Law in the Time of Oxymora: A Synaesthesia of Language, Logic and Law' (Routledge 2018) as well as numerous other publications that focus on contemporary global legal problems by exploring the intrinsic linkages between law, on the one hand, and language, cognition, art, culture, society, and technology, on the other.