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Mini Track on the Malicious Use of Artificial Intelligence: New Challenges for Democratic Institutions and Political Stability

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The possibilities for artificial intelligence (AI) are growing at an unprecedented rate. AI has many areas of social utility: from machine translation and medical diagnostics to electronic trading and education. Less investigated are the areas and types of the malicious use of artificial intelligence (MUAI), which should be given further attention. It is impossible to exclude global, disastrous, rapid and latent consequences of MUAI. MUAI implies the possibility of using multiple weaknesses of individual and human civilization as a whole. For instance, AI could integrate with a nuclear or biological attack, and even improve its effectiveness. However, AI could similarly be used as a most efficient defence instrument. The international experience in monitoring online content and predictive analytics indicates the possibility of creating an AI system, based on the information disseminated in the digital environment, that could not only indicate threats to information and psychological security in a timely manner but also offer scenarios of counteraction (including counteracting offensive weapons' systems).

Suggested topics include but are not limited to:

- Dynamic social and political systems and the malicious use of AI
- AI in civil and military conflicts
- AI enhancing terrorist threats and counter-terrorist response
- Role and practice of the malicious use of AI in contemporary geopolitical confrontation
- Predictive analytics and prognostic weapons
- Risk scenarios of the malicious use of AI
- Spoofing, data extraction, and poisoning of training data to exploit vulnerabilities under the malicious use of AI
- Artificial Intelligence Online Reputation Management (ORM)

- AI in Lethal Autonomous Systems (LAWs):
- Deepfakes and their possible influence on political warfare
- Amplification and political agenda setting
- Emotional AI in political warfare
- Damage reputation through bot activities
- Synthetic information products containing software modules that introduce targeted audiences into depression and/ or encourage people to perform strictly defined actions
- Challenges of the malicious use of AI
- Ways and means to neutralize targeted information and psychological destabilization of democratic institutions using AI.

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