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Intelligent Security and Privacy Approaches against Cyber Threats

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Message from the Collection Editor

As many organizations have moved to work from home, cyber attackers have expanded their advanced persistent threats (APT), such as phishing, spear-phishing and zeroday attacks, to exploit vulnerabilities of home networks. It is urgent to develop well-designed privacy security approaches, algorithms, protocols, standards and policies for safeguarding home and organization networks against new cyber threats.

Topics of interest include but are not limited to:

- Intelligent security practices and model-based AI against COVID-19 threats;

- Privacy-enabled human factor models against COVID-19 cyberattacks;

- AI-based Intrusion Detection Systems for discovering COVID-19 cyberattacks;

- AI-based cognitive models against COVID-19 cyberattacks;

- Privacy-driven human analytical behaviours in home networks;

- Privacy-preserving algorithms and approaches for protecting data of home networks;

- Secure Big Data analytics to analyze heterogeneous IoT and home elements;





mdpi.com/si/49399