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(57) Abstract :

The present disclosure present a system (108) and a method for detecting and deterring cybersecurity attacks using controlled digital environments. The system (108) includes controlled digital environments (112) that include controlled computing devices (110), synthetic data repositories, controlled communication channels, and controlled user interfaces. The system (108) configures the controlled digital environments (112) embedded among un-controlled digital environments. The system (108) enables the controlled digital environments (112) to operate alongside the un-controlled digital environments using machine learning techniques and artificial intelligence techniques to mimic the uncontrolled digital environments. The system (108) monitors activities associated with the controlled digital environments (112) to detect cybersecurity threats. The system (108) alerts, users (102) about the cybersecurity threats, and responds.

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