The Applications and Challenges of Cybersecurity in Science, Healthcare and Medicine II

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Message from the Guest Editor

Dear Colleagues,

Healthcare is an attractive target for cybercrime as it contains extremely valuable data. Several issues currently complicate healthcare cybersecurity. Cybersecurity breaches include stealing health information, ransomware attacks on hospitals, and may include attacks on implanted medical devices. Such breaches can reduce patient trust, cripple health systems, and threaten human life.

Aligning cybersecurity and patient safety initiatives will not only help your organization to protect patient safety and privacy but will also ensure continuity of effective delivery of high-quality care by mitigating disruptions that have a negative impact on clinical outcomes. Rising cybersecurity threats to healthcare require policy makers to tackle fragmented governance, develop and implement security standards, and help organizations to improve their resilience. The goal behind this Special Issue is to discuss and present various tools, applications, and models in the context of cybersecurity, in addition to extensive and comprehensive concepts and techniques with regard to science, healthcare, and medicine. All related areas may also be considered.

Special Issue

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Message from the Editor-in-Chief

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