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Dear colleagues,

This Special Issue is dedicated to the Global Conference on computer applications, sustainable engineering, manufacturing practices, Mathematical Science and Environment (15th and 16th July'2023). The authors are invited to submit the revised and extended papers.

The topics relevant to this Special Issue include, but are not limited to: Ma chine learning algorithms for big data analytics; Artificial neural network, neural systems and its applications; Hybrid intelligent systems for cloud security and privacy; Big data analytics in the cloud for decision-making and predictive modeling; Novel computational intelligence paradigms for cloud forensics and incident response; Cloud-based anomaly detection and intrusion detection systems using computational intelligence techniques; Fuzzy systems and other soft computing techniques for cloud resource management and optimization; Cloud-based intelligent systems for real-time security threat detection and mitigation; Novel applications of big data analytics and computational intelligence in the cloud; Privacy-preserving big data analytics in the cloud using cryptographic techniques; Performance optimization of big data analytics using cloud-based computing and distributed processing; Computational intelligence solutions to security and privacy issues in mobile cloud computing; Privacy concepts and applications in cloud platforms; Cloud computing security data analysis tools and services.