Special Issue

Power Efficient AI Technologies for Sensor-Based Content Moderation

Message from the Guest Editor

In the wake of increasing digital content proliferation, safeguarding the integrity of social media platforms has become paramount. The proposed Special Issue, "Power Efficient AI Technologies for Sensor-Based Content Moderation", seeks original contributions that focus on innovative, energy-efficient AI methodologies tailored for the real-time moderation of sensor-generated content; this encompasses detecting inappropriate imagery, videos, and abusive speech patterns. As sensor-based platforms burgeon, powered by IoT devices and mobile technology, the demand for low-power, high-performance AI solutions becomes critical. This issue will serve as a convergence point for research that not only enhances the safety of online communities by filtering harmful content but also by minimizing the energy footprint of the AI systems employed. We invite studies that present advancements in AI algorithms, hardware optimization, and system integrations that significantly reduce power consumption without compromising the accuracy and speed necessary for effective content moderation.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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