EDITORIAL

Editorial—AI, Computer Science and Robotics Technology

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Welcome to a new open access journal dedicated to computers, artificial intelligence, and robotics, including scientific trends in innovation. Open access and rapid dissemination will aid authors' success in an international arena.

Computer-controlled intelligent machines and robots have seen explosive growth recently, accompanying substantial innovation leading to marvelous new products that enhance life on earth and beyond. As opposed to simply autonomous activity, autonomy necessitates robotic systems that behave akin to "thinking", and this statement is an enduring challenge beginning with simple self-awareness. Awareness of their environments is also necessary to observe, orient, decide, and act (OODA). So-called OODA loops are challenging for humans in the face of multi-faceted complications in the world. Computer Science, AI, and Robotics Technology will provide an international forum with the latest developments in many sub-disciplines:

- arithmetic logic unit; analog techniques; circuits systems; integrated circuits; communications and control; computability theory; computer science & engineering; computers and computation; computers in simulation; computer hardware and peripheral device; computers in industry; computer multitasking; multiprocessing; computer networking and Internet; computer software; computer storage (memory); design and test of computers; digital techniques; embedded computers; hard disk drives, floppy disk drives and optical disc drives; information systems; information visualization; input/output (I/O); interaction with computers; microprocessors; personal computers (desktop computers, notebook); programmable analog computers; random access memory or RAM; software, graphics, programming; supercomputers; virtualization algorithm development; artificial general intelligence in robotics;
- automated planning and scheduling; bio-mechanics; computer vision; interdisciplinary robotic studies; knowledge reasoning and discovery; learning algorithms; machine and deep learning; mechatronics and control theories; multi-sensor fusion; natural language processing and recognition; real-world applications of robotic perception, cognition, and actions; robotic systems applications; robotic system autonomous behaviors.

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The journal particularly welcomes emerging methodologies and techniques which bridge theoretical studies and applications, including novel quantitative engineering and science studies.

This century seemingly belongs to computers, artificial intelligence, and robotics. The journal AI Computer Science and Robotics Technology will be published by IntechOpen, one of the pioneers of Open Access. This new journal is a response to constantly listening to the scientific community and serving the rapidly growing areas at the core of IntechOpen's expertise. Created by robotics scientists, IntechOpen launched and published the first Open Access journal in robotics and the first with an Impact Factor. Come with me towards tomorrow, and together let us embrace open science policies to foster dissemination, transparency, and access to knowledge without barriers.