Foreword and Editorial

International Journal of Multimedia and Ubiquitous Engineering

We are very happy to publish this issue of the International Journal of Multimedia and Ubiquitous Engineering by Global Vision Press.

This issue contains 2 articles. Achieving such a high quality of papers would have been impossible without the huge work that was undertaken by the Editorial Board members and External Reviewers. We take this opportunity to thank them for their great support and cooperation.

In the research paper Practice of Digital Media Professional Studio System Teaching System", colleges and universities have always been an important base for training scientific and technological innovative talents. The development of digital media industry is no longer a matter of the Internet and IT industry, but has gradually become the driving force and indispensable energy for the future development of the whole industry. More and more institutions of higher learning begin to attach importance to how to cultivate innovative talents in digital media. At the same time, as a new talent training mode, studio system is an inevitable choice to break through the existing limitations of work-study combination and promote the training of highly skilled personnel. Starting from the actual needs of career development direction and post team, the ultimate goal is to cultivate students in different directions and pay attention to students' practical ability, so as to improve students' comprehensive quality and technical ability. In the process of practice, how to make the studio system grow healthily in different development environments and promote the success of the teaching reform of production, teaching and research needs constant testing and deepening. Starting from the mode of studio system, this paper puts forward five key directions and four principles to be followed in constructing the teaching system of studio system, actively explores and constructs the training mode of studio system talents, and promotes the high-quality and innovative development of key specialties.

In the paper "Velocity-based object detection in dynamic environment using YOLO-based deep learning algorithm", to solve the constraints of an image sensor and resolve an obstacle detection error according to the traveling speed of an autonomous vehicle, we applied the object recognition technology of the single-shot detector technique based on the you only look once (YOLO) algorithm to pedestrians, bicycles, traffic lights, and pedestrian crossings for effective obstacle avoidance and perception. The proposed technique was experimentally proven on campus at Kyung Hee University, with the results confirming the accuracy of object recognition using a number of learning datasets.

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