
FOREWORD

Special Section on Image Media Quality

Due to the spread of information technology and image/video systems, various images or videos are getting essential media for our lives. The image media is handled in many fields such as imaging, communication, broadcasting, storages, displays, printings, computer graphics and computer vision. Recently, their markets and technologies have been matured. For this reason, image quality has become a more prominent item to show the superiority of their systems. Therefore, it is believed that image media quality should be discussed for all images or video systems.

This special section was started to accelerate the research of image media quality and make an open space for researchers who would like to discuss and obtain information concerning image media quality. On the other hand, the image media quality research group in IEICE has organized “International Workshop on Image Media Quality and its Application”. This workshop has a linkage with this special section.

After careful review of 22 submissions including 14 papers and 8 letters, the editorial committee has selected 5 papers, which include an invited paper regarding the survey of 3D convolutional neural network, and 3 letters. We have posted interesting studies from fundamental research to application technology. They are covering attractive topics, which are indispensable for discussing image quality evaluation, such as multimedia database, image capture devices, image reproduction, human perception, and computer vision using convolutional neural networks for medical images and industrial applications.

We would like to express our sincere appreciation to all authors for submitting their papers, devoted reviewers, and kind editors. The special section would not exist without their voluntary activities.

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Gosuke Ohashi, Guest Editor-in-Chief

Gosuke Ohashi (*Member*) received his B.E., M.E., and Ph.D. degrees from Keio University in Yokohama, Japan, in 1992, 1994, and 1997, respectively. He has been an assistant professor since 1997 and is currently a professor in the Department of Electrical and Electronic Engineering at Shizuoka University. He was a visiting researcher at University of California Santa Barbara from 2003 to 2004. His research interests include image processing, computational vision, and visual perception.

