Special Issue on IEVC2017

59 Upon the Special Issue on IEVC2017 Mei KODAMA

Contributed Papers

60 Robust 3D Planes Detection under Noisy Conditions using Scaled Difference of Normals Jaime SANDOVAL, Kazuma UENISHI, Munetoshi IWAKIRI, Kiyoshi TANAKA

74 Tristimulus Value Rendering of Wavelength-Dependent Phenomena Using Importance Sampling Yoshihiro TAKEMURA, Toru TAMAKI, Bisser RAYTCHEV, Kazufumi KANEDA

83 FPGA Accelerator for Super-pixel Segmentation Featuring Clear Detail and Short Boundary Masayuki MIYAMA

Short Paper

92 Improving Eye Tracking Accuracy by Head Motion History Masahiro TOYOUKA, Takumi TANAKA, Atsushi SUGIURA, Xiaoyang MAO

Special Issue on Application-Based Image Processing Technologies

99 Upon the Special Issue on Application-Based Image Processing Technologies Chinthaka PREMACHANDRA

Contributed Papers

100 Fast Diffuse Shading Derivation for General User Augmented Reality Yasuhiro YAO, Harumi KAWAMURA, Akira KOJIMA, Tatsuya OSAWA, Yoshinori KUSACHI

110 Computational RYB Color Model and its Applications Junichi SUGITA, Tokihiro TAKAHASHI

123 Performance Evaluation Criteria for Partial Blur Segmentation in Classification and Segmentation Contexts Natsuki TAKAYAMA, Hiroki TAKAHASHI

Special Issue on Image Processing for Life and Its Application

134 Upon the Special Issue on Image Processing for Life and Its Application Kaisei SAKURAI

Contributed Papers

135 CNN-based Spine and Cobb Angle Estimator Using Moire Images Ran CHOI, Kota WATANABE, Hiroaki JINGUI, Nobuyuki FUJITA, Yoji OGURA, Satoru DEMURA, Toshiaki KOTANI, Kanichiro WADA, Masashi MIYAZAKI, Hideki SHIGEMATSU, Yoshimitsu AOKI

Special Issue on Visual Computing

145 Upon the Special Issue on Visual Computing Makoto FUJISAWA

Contributed Paper

146 Background Subtraction Based on Co-occurrence Pixel-Block Pairs for Robust Object Detection in Dynamic Scenes Wenjuan ZHOU, Shuichi KANEKO, Dong LIANG, Manabu HASHIMOTO, Yutaka SATOH

Announcements

160 Call for Papers: Special Issue on Internet of Things and Its Related Technologies in Image Electronics

161 Call for Papers: Special Issue on Interaction Technologies between Image Electronics and Real World

162 Call for Papers: Special Issue on Image Information Technologies for Social Infrastructure & Life-Related Services

Guide for Authors

163 Guidance for Paper Submission