

Table of Contents

Volume 10 Number 1

February 2019

Pre-Processing Images of Public Signage for OCR Conversion

A. Khan, M. N. Usmani, N. Rahman, D. Prasad.....1

**A Universal Approach to Designing an Image Interpolator
with an Image Smoothing Filter**

M.-C. Pan.....12

**Comparison of GPR Random Noise Attenuation Using Autoregressive-FX Method and
Tunable Quality Factor Wavelet Transform TQWT with Soft and Hard Thresholding**

A. E. Bardar, B. Oskooi, A. Goudarzi.....19