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Publication Details:

1) An element-wise generalized singular value decomposition (GSVD) based image encryption algorithm

February 2021Journal of Physics Conference Series 1767(1):012058

DOI:10.1088/1742-6596/1767/1/012058

2) Robust secure communication protocol for smart healthcare system with FPGA implementation

May 2019Future Generation Computer Systems 100

DOI:10.1016/j.future.2019.05.058

3) A Deep Learning RCNN Approach for Vehicle Recognition in Traffic Surveillance System

April 2019

DOI:10.1109/ICCSP.2019.8698018

Conference: 2019 International Conference on Communication and Signal Processing (ICCSP)

4) Vehicle Logo Recognition using RCNN for Intelligent Transportation Systems

March 2019

DOI:10.1109/WiSPNET45539.2019.9032733

Conference: 2019 International Conference on Wireless Communications Signal Processing and Networking (WiSPNET)

5) Automatic Moving Vehicle Detection and Classification Based on Artificial Neural Fuzzy Inference System

Springer

June 2018Wireless Personal Communications 100(1)

DOI:10.1007/s11277-018-5347-8

6) Implementation of $2n - 2k - 1$ Modulo Adder Based RFID Mutual Authentication Protocol

June 2017IEEE Transactions on Industrial Electronics PP(99):1-1

DOI:10.1109/TIE.2017.2711864

7) Project: VLSI Implementation of Area-Efficient Truncated Modified Booth Multiplier for Signal Processing Applications

Histogram shifting based reversible data hiding with controlled contrast enhancement

March 2017

DOI:10.1109/ICBSII.2017.8082277

Conference: 2017 Third International Conference on Biosignals, Images and Instrumentation (ICBSII)

8) Background subtraction algorithm and image skeletonization based anomaly event detection for low resolution video

March 2017

DOI:10.1109/ICSCN.2017.8085708

Conference: 2017 Fourth International Conference on Signal Processing, Communication and Networking (ICSCN)

9) Adaptive impulse detection based selective window median filter for removal of random-valued impulse noise in digital images

September 2016 COMPEL International Journal of Computations and Mathematics in Electrical
35(5):1604-1616

DOI:10.1108/COMPEL-04-2016-0140

10) VLSI Architecture of Switching Median Filter for Salt and Pepper Noise Removal

February 2016

Project: VLSI Implementation of Area-Efficient Truncated Modified Booth Multiplier for Signal Processing Applications

11) Adaptive window based multi stage impulse noise detection for removal of random valued impulse noise in digital images

January 2016

DOI:10.3923/ajit.2016.689.693

12) Rail defect detection using Gabor filters with texture analysis

March 2015

DOI:10.1109/ICSCN.2015.7219838

Conference: 2015 3rd International Conference on Signal Processing, Communication and Networking (ICSCN)

13) Fast switching based median–mean filter for high density salt and pepper noise removal

June 2014 AEU - International Journal of Electronics and Communications 68(12)

DOI:10.1016/j.aeue.2014.06.002

New decision-based trimmed median filter for high-density salt-and-pepper noise removal in images

May 2014 Journal of Electronic Imaging 23(3):033011

DOI:10.1117/1.JEI.23.3.033011

14) Hardware implementation of tag-reader mutual authentication protocol for RFID systems

January 2014 Integration the VLSI Journal 47(1):123–129

DOI:10.1016/j.vlsi.2013.03.002

Project: VLSI Implementation of Area-Efficient Truncated Modified Booth Multiplier for Signal Processing Applications

15) Leaf Biometrics Based Karyotyping of G-Band Chromosomes

September 2013 International Journal of Human Genetics 13(3):131-138

DOI:10.1080/09723757.2013.11886208

Efficient image transmission over MIMO channel using compressive sensing

July 2012

DOI:10.1109/ICCCNT.2012.6396015

Conference: Computing Communication & Networking Technologies (ICCCNT), 2012 Third International Conference on

16) Dual tree complex wavelet transform based SAR image despeckling

June 2012

DOI:10.1109/ICIAS.2012.6306140

Conference: Intelligent and Advanced Systems (ICIAS), 2012 4th International Conference on Volume: 2

17) Adaptive bilateral filter and Bayesian threshold based image denoising

December 2010

DOI:10.1109/ICCIC.2010.5705819

18) Decision based adaptive median filter to remove blotches, scratches, streaks, stripes and impulse noise in images

September 2010 Proceedings / ICIP ... International Conference on Image Processing

DOI:10.1109/ICIP.2010.5651915

Source DBLP

Conference: Proceedings of the International Conference on Image Processing, ICIP 2010, September 26-29, Hong Kong, China

19) Fast and Efficient Algorithm to Remove Gaussian Noise in Digital Images

February 2010 IAENG International Journal of Computer Science 37(1):78-84

20) Robust statistics based algorithm to remove salt and pepper noise in images

November 2009

21) Detail preserving median based filter for impulse noise removal in digital images

November 2008

DOI:10.1109/ICOSP.2008.4697249

Source IEEE Xplore

Conference: Signal Processing, 2008. ICSP 2008. 9th International Conference

22) A New Efficient Algorithm to Remove High Density Gaussian Noise with Edge Preservation

February 2008

DOI:10.1109/ICSCN.2008.4447196

Source IEEE Xplore

Conference: Signal Processing, Communications and Networking, 2008. ICSCN '08. International Conference