Visakhapatnam,
26-10-2020

To
Dr. S. KOTESWARA RAO,
Professor, Department of E.C.E.,
K.L.E.F. (Deemed to be University),
Vaddeswaram, Guntur Dist.

Respected Sir,

Sub: Request to collaborate with my work – reg.

I, T. Sandhya Kumari, working as Associate Professor in the Department of ECE at Vignan's Institute of Engineering for Women, Visakhapatnam is carrying out my research on "Image Fusion with Feature Extraction". I have worked on Infrared and Visible image fusion techniques and made a compendious analysis. In this regard, I request you sir to give permission to collaborate with you as I have learnt that you are expertise in the same field from your recent publications. I would be grateful to you and if you accept my request to collaborate with you.

Thanking you,

Yours faithfully.

T. Sandhya Kumari

PRINCIPAL
Vignan's Institute of
Engineering for Women
K.J.Peta, VSEZ (P.O.),
Visakhapatnam-49.

VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN * VISAKHAPATNAM *

Visakhapatnam,
21-10-2020

To
Dr. I. Santi Prabha,
Professor, Department of E.C.E.,
JNT University,
Kakinada.

Respected Madam,

Sub: Request to collaborate with my work – reg.

I, T. Sandhya Kumari, working as Associate Professor in the Department of ECE at Vignan's Institute of Engineering for Women, Visakhapatnam is carrying out my research on "Image Fusion with Feature Extraction". I have worked on Infrared and Visible image fusion techniques and made a compendious analysis. In this regard, I request you madam to give permission to collaborate with you as I have learnt that you are expertise in the same field from your recent publications. I would be grateful to you and if you accept my request to collaborate with you.

Thanking you,

Yours faithfully,

T. Sandhya Kumari

PRINCIPAL
Vignan's Institute of
Engineering for Women
K.J.Peta VSEZ (P.O.),
Visakhapatnam-49.

VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN * VISAKHAPATNAM-49 *

Dt: 13th Nov, 2020

To
T. Sandhya Kumari,
Associate Professor, ECE
Vignan's Institute of Engineering for Women,
Vissakhapatnam.

Dear Madam,

As per the request received from you regarding the acceptance of collaboration with your research work, I have gone through your profile and research publications and I am happy to inform you that I accept your request. You may proceed further.

Regards,

S. Koteswara Rao

Dr. S. KOTESWARA RAO
Professor, Department of E.C.E.,
K.L.E.F. (Deemed to be University),
Vaddeswaram, Guntur Dist.

PRINCIPAL
Vignan's Institute of
Engineering for Women
K.J.Peta, VSEZ (P.O.),
Visakhapatnam-49

19.11.2020

To
T. Sandhya Kumari,
Associate Professor, Department of ECE
Vignan's Institute of Engineering for Women,
Vissakhapatnam.

Dear Sandhya,

I have gone through your profile and research publications and I am happy to inform you that I accept your request to collaborate with you in your research work. You may proceed further and Wish you All the Best.

With Regards,

I. Santi Prabha

Dr. I. Santi Prabha,
Professor,
Department of E.C.E.,
JNT University, Kakinada.

PRINCIPAL
Vignan's Institute of
Engineering for Women
K.J.Peta, VSEZ (P.O.),
Visakhapatnam-49

VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN * VISAKHAPATNAM-49

Document details - A Compendious Analysis of Feature-Extraction Algorithms to Frame Fusion Rules

International Journal of Computing and Digital Systems

Volume 11, Issue 1, 2022, Pages 21-37

A Compendious Analysis of Feature-Extraction Algorithms to Frame Fusion Rules(Article)(Open Access)

Kumari, T.S., Koteswararao, S., Prabha, I.S.

[a]Department of Electronics and Communication Engineering, Vignan` s Institute of Engineering for Women, Visakhapatnam, India
[b]Department of Electronics and Communication Engineering, K. L.E. F (Deemed to be University), Guntur, India
[c]Department of Electronics and Communication Engineering, Jawaharlal Nehru Technological University, Kakinada, India

Abstract

Advancement in sensor technology provides the complete information captured by multiple sensors. To reduce the eye strain and workload from analyzing the scene with multiple images, the information is combined into a single image by the process called image fusion. In this paper, a compendious analysis of feature-extraction based fusion algorithms that define an appropriate fusion rule is reviewed. A state-of-art classification of feature-based fusion schemes is carried out and the extracted feature maps are presented. The qualitative analysis for different fusion methods are illustrated and compared. The quantitative fusion metrics are grouped as contrast, information, edge and visual based metrics and are evaluated. Finally, the conclusion and future directions are briefed out. © 2022 University of Bahrain. All rights reserved.

SciVal Topic Prominence

Topic: Image Fusion | Pulse Coupled Neural Network | Contourlet Transform

Prominence percentile: 98.687

Author keywords

Feature-extraction | Fusion metric | Fusion rule | Image fusion | Saliency features | Statistical features | Structural features

ISSN: 2210142X
Source Type: Journal
Original language: English

DOI: 10.12785/ijcds/110102
Document Type: Article
Publisher: University of Bahrain

PRINCIPAL
Vignan's Institute of Engineering for Women
K.J. Peta, VSEZ (P.O.),
Visakhapatnam-49