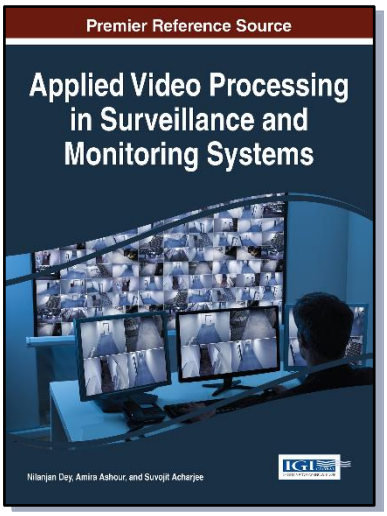
Applied Video Processing in Surveillance and Monitoring Systems

Part of the Advances in Multimedia and Interactive Technologies Book Series

Nilanjan Dey (Techno India College of Technology, Kolkata, India), Amira Ashour (Tanta University, Egypt) and Suvojit Acharjee (National Institute of Technology Agartala, India)



Description:

Video monitoring has become a vital aspect within the global society as it helps prevent crime, promote safety, and track daily activities such as traffic. As technology in the area continues to improve, it is necessary to evaluate how video is being processed to improve the quality of images.

Applied Video Processing in Surveillance and Monitoring Systems investigates emergent techniques in video and image processing by evaluating such topics as segmentation, noise elimination, encryption, and classification. Features real-time applications, empirical research, and vital frameworks within the field.

Readers:

This publication is a critical reference source for researchers, professionals, engineers, academicians, advanced-level students, and technology developers.

ISBN: 9781522510222 **Release Date:** November, 2016 **Copyright:** 2017 **Pages:** 313

Topics Covered:

- Automated Systems
- False Alarm Reduction
- Genetic Algorithms
- Image Segmentation
- Reconfigurable Architectures
- Remote Monitoring Systems
- Video Stenography

Hardcover + Free E-Book:	E-Book Only:
$215.00	$215.00

Nilanjan Dey, PhD., is an Asst. Professor in the Department of Information Technology in Techno India College of Technology, Rajarhat, Kolkata, India. He holds an honorary position of Visiting Scientist at Global Biomedical Technologies Inc., CA, USA and Research Scientist of Laboratory of Applied Mathematical Modeling in Human Physiology, Territorial Organization of Scientific and Engineering Unions, Bulgaria, Associate Researcher of Laboratoire RIADI, University of Manouba, Tunisia. He is the Editor-in-Chief of International Journal of Ambient Computing and Intelligence (IGI Global), US, International Journal of Synthetic Emotions (IJSE) and the International Journal of Rough Sets and Data Analysis (IGI Global), US, Series Editor of Advances in Geospatial Technologies (AGT) Book Series, (IGI Global), US, Executive Editor of International Journal of Image Mining (IJIM), Inderscience, Regional Editor-Asia of International Journal of Intelligent Engineering Informatics (IJIEI), Inderscience and Associated Editor of International Journal of Service Science, Management, Engineering, and Technology, IGI Global. His research interests include: Medical Imaging, Soft computing, Data mining, Machine learning, Rough set, Mathematical Modeling and Computer Simulation, Modeling of Biomedical Systems, Robotics and Systems, Information Hiding, Security, Computer Aided Diagnosis, Atherosclerosis. He has 8 books and 160 international conferences and journal papers. He is a life member of IE, UACEE, ISOC, etc.