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## Research Developments in Biometrics and Video Processing Techniques

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### Research Developments in Biometrics and Video Processing Techniques

Part of the Advances in Information Security, Privacy, and Ethics Series



Rajeev Srivastava, S.K. Singh, and K.K. Shukla

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Rajeev Srivastava (Indian Institute of Technology (BHU), India), S.K. Singh (Indian Institute of Technology (BHU), India), and K.K. Shukla (Indian Institute of Technology (BHU), India)

The advancement of security technologies has allowed information systems to store more crucial and sensitive data. With these advancements, organizations turn to physiological and behavioral methods of identification in order to guard against unwanted intrusion.

**Research Developments in Biometrics and Video Processing Techniques** investigates advanced techniques in user identification and security, including retinal, facial, and finger print scans as well as signature and voice authentication models. Through its in-depth examination of computer vision applications and other biometric security technologies, this reference volume will provide researchers, engineers, developers, and students with insight into the latest research on enhanced security systems design and development.

#### Topics Covered:

- Biometric Security
- Video Surveillance
- Biometric Authentication
- Computer Vision Applications
- Hand Vein Recognition
- Object Matching
- Security Applications

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**Dr. Rajeev Srivastava** is currently working as an Associate Professor in the Dept. of Computer Engineering, Indian Institute of Technology (BHU), Varanasi, India since November 2007. He received his Ph.D. degree in Computer Engineering from Faculty of Technology, University of Delhi, Delhi. He has around 15 years of teaching and research experience. He has around 50 research publications in refereed Journals, conferences, in edited books as book chapters and 02 books published by an international publisher (Germany) to his credit. He is reviewer of many international journals and technical program committee member of many international conferences. He was awarded a project by the NMEICT, MHRD, Govt. of India in 2010 for the design and development of an interactive e-content for the subject digital image processing and machine vision. His biography was listed in Marquis Who's Who in Science and Engineering, USA, 11th edition, 2011-12 and "2000 Outstanding Intellectuals of the 21st Century-2011" by IBC, Cambridge, UK. He is the recipient of "2010 Publication Scholar Award" by IIT-BHU Global Alumni Association. He has delivered many invited talks in his research area. He was the coordinator and Organizing Secretary of a Refresher Course on ICT applications and a National conference on AI and Agents Applications, respectively. His research interests include image processing and computer vision, medical image processing, pattern recognition, video surveillance and algorithms.



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