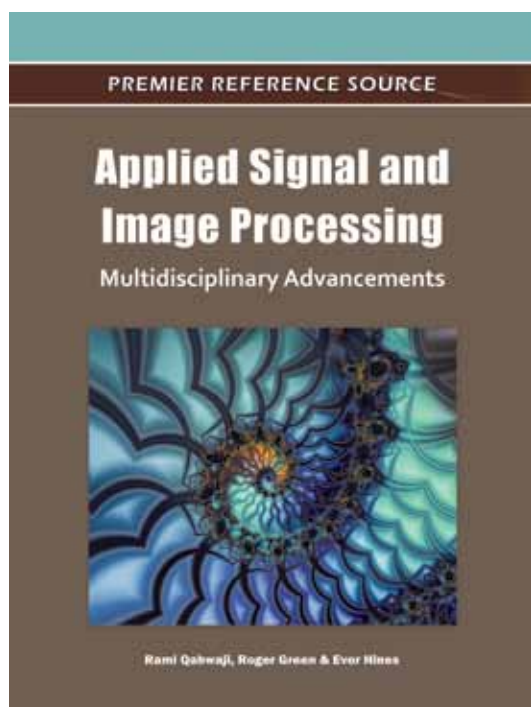


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## Applied Signal and Image Processing: Multidisciplinary Advancements



Rami Qahwaji (University of Bradford, UK),  
Roger Green (University of Warwick, UK) and  
Evor L. Hines (University of Warwick, UK)

Image and signal processing techniques are receiving increasing interest because of their numerous real-world applications. Data is now available in different forms, different wavelengths, and even in different dimensions, creating the need for novel multidisciplinary solutions for automated data processing and analysis.

**Applied Signal and Image Processing: Multidisciplinary Advancements** highlights the growing multidisciplinary nature of signal and image processing by focusing on emerging applications and recent advances in well-established fields. This book covers state-of-the-art applications in both signal and image processing, which include optical communication and sensing, wireless communication management, face recognition and facial imaging, solar imaging and feature detection, fractal analysis, and video processing.

### Topics Covered:

- Automated solar feature detection
- Blind equalization for broadband access
- Data broadcast management in wireless communication
- Facial image processing in computer vision
- Moving face recognition
- Novel signal processing algorithms
- Optical character recognition
- Real-time primary image processing
- Signal processing for optical wireless communications and sensing
- Space-time signal processing

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