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## Face Recognition in Adverse Conditions

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### Face Recognition in Adverse Conditions

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Part of the Advances in Computational Intelligence and Robotics Book Series

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Facial recognition software has improved by leaps and bounds over the past few decades, with error rates decreasing significantly within the past ten years. Though this is true, conditions such as poor lighting, obstructions, and profile-only angles have continued to persist in preventing wholly accurate readings.

**Face Recognition in Adverse Conditions** examines how the field of facial recognition takes these adverse conditions into account when designing more effective applications by discussing facial recognition under real world PIE variations, current applications, and the future of the field of facial recognition research. The work is intended for academics, engineers, and researchers specializing in the field of facial recognition.

#### Topics Covered:

- 2D-3D Mixed Face Recognition Schemes
- Automatic Face Image Tagging
- Face Images with Disguise Variations
- Face Recognition for Mobile Applications
- Facial Action Recognition
- Illumination Normalization in Face Recognition
- Intelligent Local Face Recognition
- Multiresolution Methods in Face Recognition
- Quality-Based Fusion in Adverse Conditions
- Robust Face Recognition Systems

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