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Discriminative Representation Combinations for Accurate Face Spoofing Detection

Xiao Song, Xu Zhao, Liangji Fang, Tianwei Lin

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#### ACCEPTED MANUSCRIPT

### Highlights

- Two kinds of discriminative representation combinations for face presentation attack detection
- Effective combination of binocular depth with local appearance for presentation attack detection
- Powerful presentation attack detection model by cascading deep network with micro-texture feature

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