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Literatura

**BOOKS:**

* [Multi-Modal Face Presentation Attack Detection](https://ieeexplore.ieee.org/document/9162582)
* [Handbook of Biometric Anti-Spoofing](https://link.springer.com/book/10.1007%2F978-3-319-92627-8)

ISO STANDARD:

* Information\_technology\_Biometric\_ISO\_standard - pdf

**ARTICLES:**

* [A comparative study on face spoofing attacks - IEEE article](https://ieeexplore.ieee.org/document/8229961)

- przegląd poprzednich podejść do face spoofingu

* [Efficient Face Spoofing Detection with Flash - for smartphones - IEEE article](https://ieeexplore.ieee.org/document/9419913)
* [A Compact Deep Learning Model for Face Spoofing Detection - arxiv article](https://arxiv.org/pdf/2101.04756.pdf)
* [CelebA-Spoof Challenge 2020 on Face Anti-Spoofing: Methods and Results](https://arxiv.org/abs/2102.12642)

*- „We will analyze the top ranked solutions and present some discussion on future work directions.”*

* [Face Anti-spoofing in Biometric Systems](https://www.researchgate.net/publication/311895447_Face_Anti-spoofing_in_Biometric_Systems)
* [FeatherNets: Convolutional Neural Networks as Light as Feather for Face Anti-spoofing](https://paperswithcode.com/paper/190409290)
* [A Dataset and Benchmark for Large-scale Multi-modal Face Anti-spoofing](https://arxiv.org/pdf/1812.00408v3.pdf)
* [Dual-Cross Central Difference Network for Face Anti-Spoofing](https://paperswithcode.com/paper/dual-cross-central-difference-network-for)
* [Multi-Modal Face Anti-Spoofing Based on Central Difference Networks](https://paperswithcode.com/paper/multi-modal-face-anti-spoofing-based-on)
* [Searching Central Difference Convolutional Networks for Face Anti-Spoofing](https://paperswithcode.com/paper/searching-central-difference-convolutional)
* [Learn Convolutional Neural Network for Face Anti-Spoofing](https://paperswithcode.com/paper/learn-convolutional-neural-network-for-face)
* [Deep Learning for Face Anti-Spoofing: A Survey](https://paperswithcode.com/paper/deep-learning-for-face-anti-spoofing-a-survey)

**SITES WITH ARTICLES:**

* [National Laboratory of Pattern Recognition site](http://www.nlpr.ia.ac.cn/en/)
* [Face Anti-spoofing Challenge site](https://sites.google.com/qq.com/face-anti-spoofing/welcome)