

Prof. Tetsushi Ohki

	Speaker	Tetsushi Ohki
	Talk Title	Presentation Attacks and its Countermeasures on Biometric Authentication Systems
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Brief Biography

Tetsushi Ohki received the the PhD degree in engineering from Waseda University, Tokyo, Japan, in 2010. Since 2017-, He is a lecturer in the Faculty of Informatics, Shizuoka University, Japan. In 2010-2013, He was a researcher at Research Institute for Science and Engineering, Waseda University, Tokyo, Japan. In 2013-2017, He was a researcher at National Institute of Advanced Science and Technology, Ibaraki, Japan. His research interests include biometrics, pattern recognition, information security and privacy. He is a member of WG5 in ISO/IEC JTC1 SC37 on Biometrics.

List of Representative Publications

- [1] Takao Murakami, Tetsushi Ohki, Yosuke Kaga, Masakazu Fujio, Kenta Takahashi, “Cancelable indexing based on low-rank approximation of correlation-invariant random filtering for fast and secure biometric identification,” Pattern Recognition Letters, ISSN 0167-8655, 2018.
- [2] Vishu Gupta, Masakatsu Nishigaki, and Tetsushi Ohki, “Effective countermeasure against biometric spoofing attacks using unsupervised one-class learning,” IWIN2018, September 2018. (Best Paper Award)
- [3] Masakazu Fujio, Yosuke Kaga, Takao Murakami, Tetsushi Ohki, and Kenta Takahashi, “Face/Fingerphoto Spoof Detection under Noisy Conditions by using Deep Convolutional Neural Network,” BIOSIGNALS, pp.54–62, January 2018.

[4] Tetsushi Ohki, Akira Otsuka, "Theoretical vulnerabilities in map speaker adaptation, " 2017 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), pp.2042-2046, March 2017.

[5] Taka Murakami, Tetsushi Ohki, Kenta Takahashi, "Optimal sequential fusion for multibiometric cryptosystems," An International Journal on Multi-Sensor, Multi-Source Information Fusion, vol.32, pp.93-108, 2016.