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# Optaglio focus on protecting chips in e-passports and similar documents

By Antonio D'Albore | November 1, 2017

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**LOCHOVICE (November 1, 2017) – Optaglio, the global leader in high-resolution security holograms, today announced a new solution focused on protecting chips in e-passports against removal and replacement. It is expected that high proportion of counterfeiting attacks will target chips with biometric data in foreseeable future.**

Personal and biometric data stored in a chip inside a document is a robust authentication tool. It supports all levels of machine reading up to automated e-gates. However, these chips are often targeted by counterfeiters, despite the fact that most document producers apply a kind of protection. *“Our discussions with forensic laboratories experts confirm recent growth in attempts for chip replacement. Some five years ago, the attackers mostly tried to disable chips, but the e-gates force them to apply more sophisticated technologies,”* says Dr. Tomas Karensky, senior research manager in Optaglio.

The new Optaglio solution is based on covering a chip with a hologram consisting of thousands of tiny parts. Any attempt for manipulation results in irreversible disintegration of a hologram. *“We spent a lot of time and energy on testing, trying all possible methods of chip replacement. Now we are pretty confident that our solution is strong and resistant”* Karenský continues. *“We had already had an*



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