

Italian researchers came up with a way to track people in rooms using a Wi-Fi signal. Their work is published on the Arxiv website. The method is based on the fact that the human body affects the passage of a Wi-Fi signal-distorts it and interferes with distribution. With the help of a neural network, scientists have learned to read these changes and determine the presence and movement of people.

This technology called Whofi has several advantages over surveillance cameras. Firstly, it works in complete darkness, and secondly, Wi-Fi-signals pass through the walls, so surveillance remains undetected.

The authors note that when the signal is spreading, its shape changes depending on objects and people on the way. These changes help create a unique “biometric” imprint of each person.