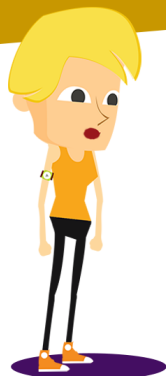


1

Imagine devices that can be worn or interacted with would **automatically recognise you** - no passwords or manual connection needed. **BANDANA** makes this possible by **spontaneously connecting** them e.g. with the phone in your pocket.



Welcome back! Let's train a bit harder this time, won't we?



2



Devices are **paired spontaneously** when worn on the same body; the pairing breaks once separated. **BANDANA** leverages gait patterns, shared by devices co-present on the body, to generate robust, always fresh and secure keys, **enabling secure authentication**.

3

With the increasing number of devices present in our lives and the IoT right behind the corner, **BANDANA** provides an effortless and secure way to use devices **without passwords**.



WAS IT "12345" OR DID I USE MY BIRTHDATE AS PASSWORD...? I CAN'T REMEMBER...!

A''

Aalto-yliopisto

This and much more is studied and invented in Communication Engineering, Department of Communications and Networking, Aalto University, Finland.

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