

Usable Security – Raise the bar with implicit device pairing

Stephan Sigg

Department of Communications and Networking Aalto University, School of Electrical Engineering stephan.sigg@aalto.fi

09.10.2017

MEMORY IS A LIMITED RESOURCE





WE USE PASSWORDS THAT ARE HARD FOR HUMANS TO REMEMBER, **BUT EASY FOR COMPUTERS TO GUESS**





SECURITY SHOULD NOT COMPROMISE EASE OF USE





WHAT IS USABLE SECURITY







Open your car from correlation in handle movement and acceleration on your watch



Securely synchronize items in your shopping list with those in your shopping basket







Implicit, always fresh login challenges that are resistant against shoulder surfing











Thank you!

stephan.sigg@aalto.fi

http://ambientintelligence.aalto.fi



