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Title: Image Based OTP Authentication for Web Applications

Date: Monday, 11th April 2016, 9:00-10:00

Place: Room 21E 404

Abstract

“Want a gadget? Get it online. Want a dress? Get it online. But wait!! First create an account to do so”

The above line describes the exact scenario these days. Everything is available online and almost all website demands an account creation (email and password) either for communication reasons or for big data generation. This scenario forces users to remember N number of complex text passwords. Now-a-days even such strong passwords are hacked by various techniques. To overcome such attacks and to prevent user from remembering a complex password, we propose a new authentication system called the “Image based OTP Authentication”. This system lets the user to select an image, colour and a 2digit number in preferred order. The selected images and the order of images acts as their password for any application on web. This password is not trapped by password cracking, key logger, network attacks and social engineering. During authentication the user enters the random letters (OTP) which maps to their password images in correct order. If the provided OTP is correct, the user is authenticated. The password recovery system is also well designed such that their account is not compromised.