Title: From black to white (box) attacks on secure systems - Or why do your light bulbs need a firmware update

Speaker: Eyal Ronen

 Abstract: I will go over the process of RE and attacking the Philips Hue. It is partially based on the IoT Goes Nuclear paper (iotworm.eyalro.net). But I will mostly describe the process of breaking the secure SoC, including what we tried and didn't work.

Bio: I am a PhD student of Prof. Adi Shamir at the Department of Computer Science, Weizmann Institute of Science. My research interests are applied cryptography and cyber security, looking at real world implementation of cryptographic and security protocols and primitives (both in software and in hardware). My research is mainly focused on the security of IoT devices.