

SEMINARI I DEPARTAMENTIT TË MATEMATIKËS

“Math UP Seminar”

Kemi kënaqësinë t’ju njoftojmë se ligjërata e radhës në kuadër të Seminarit të Departamentit të Matematikës në FSHMN

ka folës:

Dr. Bahtjar Vogel (Universiteti Malmö)

Orari: 7 shkurt 2022, 12:30—13:30 (online)

**Titulli: Sustainable Design Principles for Internet of Things (IoT):
Towards open and secure IoT systems**

Abstrakti: The Internet of Things (IoT) market is predicted to grow from an installed base of 30.7 billion devices in 2020, to 75.4 billion in 2025. There are different types of platforms available that often are referred to as IoT platforms, such as device-to-device, cloud-based and device-to-cloud platforms (which are often also referred to as enterprise platforms that face a vendor lockdown). The diversity of IoT platforms and their complex offerings creates confusion among developers and researchers, as well as end users. As such, today the IoT is mainly associated with vertically integrated systems that often are closed and fragmented in their applicability. With such closed nature and fragmentation in the market, developers usually struggle to reach critical mass, and even end users need to navigate through different brands and understand which devices are compatible in relation to which IoT platforms. Commercial or proprietary IoT platforms carry a pricing model and often promote vendor lock-in. Thus, often IoT platform providers lack support of new protocols, tools and data formats in time due to a constantly changing IoT landscape. Openness in IoT systems offer a multitude of benefits, even though security is never assured. While security is often recognized as a top priority for organizations and a push for competitive advantage, repeatedly, IoT products have become a target of diverse security attacks. Thus, orchestrating smart services and devices in a more open, standardized and secure way in IoT environments is yet a desire as much as it is a challenge.

In order to address some of the above mentioned challenges, in this presentation, Dr. Vogel will be talking about his research related to the need for open and secure design principles for Internet of Things (IoT).

Seminari mbahet në anglisht dhe organizohet për një audiencë të gjerë (studentët e vitit të parë janë të mirëseardhur!). Për t’i marrë detajet e qasjes online, nëse nuk jeni regjistruar ende, ju lutem na shkruani në adresën mathupseminar@gmail.com.