ICAC

SLIIT

Workshop on

Security and Privacy of 5G and Beyond 5G Networks

In present digital societies, telecommunication networks provide connectivity, which is crucial for the operation and management of many other critical infrastructures and services such as healthcare, industrial operations and public safety. This situation is expected to be exacerbated with the incorporation of the Fifth Generation (5G) wireless services such as enhanced mobile broadband (eMBB), ultra-reliable low latency communication (URLLC), and massive machine-type communications (mMTC). Security and Privacy have become the primary concern in 5G and Beyond 5G (B5G) networks as risks can have high consequences. Thus, this workshop will explain the potential security attacks and breaches of privacy that the emerging 5G networking paradigm is facing. It will present a comprehensive detail on the core and enabling technologies, which are used to build the 5G security model; network softwarization security, PHY (Physical) layer security and 5G privacy concerns, among others. Moreover, the workshop will explain the possible ways of developing novel security and privacy solutions to protect the 5G telecommunication networks to strengthen critical infrastructures. Finally, new research directions and open challenges will be discussed to encourage future research.

Speaker:

Dr. Madhusanka Liyanage

is currently working as an Ad Astra Fellow/Assistant Professor at School of Computer Science, University College, Dublin, Ireland. He is also a docent/ adjunct professor at the University of Oulu, Finland. He has co-authored over 80 scientific publications. He is also a recipient of prestigious Marie Skłodowska-Curie Actions Individual Fellowship during 2018-2020. His research interests are 5G, SDN, IoT, Blockchain, MEC, mobile and virtual network security. More info: http://madhusanka.com

WORKSHOP

The International Conference on Advancements in Computing 2020

10th
Dec. 2020

zoom

3.45 pm
to
4.45 pm