Assoc. Prof. Dr. Berna Örs Yalçın   Due Date: June 06, 2019

BLG520E Cryptography
3rd Homework

We will implement a secure authentication, key exchange and data encryption protocol for IoT in this project.

The slides for simple station-to-station (StoS) protocol can be accessed from Ninova course sources. Some references about Security Protocols for Internet of Things (IoT) are given below.

1. Find a security protocol for IoT which satisfies the requirements in StoS protocol.
2. Give a brief description of the protocol.
3. Implement the protocol by using your choice of programming language.
4. Prove that your implementation works correctly.
5. Give the programme memory, run time memory used for your implementation. Also give the speed properties of your implementation.

References

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