Feedback Report (Week 05)

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Name 이건

Title: Computer Networking Research in IoTLab at SKKU

Speaker: Professor Jaehoon Jeong

After attending this week's seminar, please write a brief summary of the content along with your comments. Your response should be approximately half a page in length.

이번 주 세미나를 듣고, 세미나의 내용을 간단히 요약한 뒤, 이에 대한 본인의 생각이나 의견을 작성하시기 바랍니다. 전체 분량은 약 0.5페이지 내외로 작성하여 제출하시기 바랍니다.

1. Summary

Briefly summarize the main content of this week's seminar.
이번 세미나의 주요 내용을 간단히 요약하세요.

Professor Jaehoon Jeong briefly discussed the various researches conducted in his IoTLab. The Internet-of-Things (IoT) research included automated DNS naming of IoT devices and indoor positioning systems (IPS) to locate and track the IoT devices. The smartphone-assisted localization algorithm (SALA), as the name suggests, uses smartphones as anchors to pinpoint the location of other IoT devices. Vehicular networking through vehicle-to-vehicle (V2V) and vehicle-to-infrastructure communication protocols allows context-aware navigators to alert and update nearby vehicles of the current on-road situation. Finally, cloud-based security services using the interface to network security functions (I2NSF) framework allows for administrators to intently define security policies to the cloud system. The professor has a long-term goal to

develop a cloud infrastructure based on IoT to enhance safety and security, efficiency, and data services.

2. Comments

Please include your comments, noting what you found interesting, what you would like to learn more about, and your personal thoughts on the seminar.
이번 세미나에서 흥미로웠던 부분, 더 알고 싶은 주제, 그리고 본인의 생각을 자유롭게 작성하세요.

The concept of pinpointing the various IoT devices in an indoor setting using the smartphone as anchors is an interesting research. I can see how it is a useful function to utilize this in future applications for easy access of our IoT devices. Seeing the researches regarding vehicular network shows inspiration on how future traffic control can become safer and more informational. I say this because I believe several accidents occur due to the lack of information on the road. Last, regarding cloud-based security, it always seems like a complex concept. However, seeing how these servers can automatically monitor these data proves how current cyber security can be quite reliable. It would be nice if the lecture showed examples of these researches since the conceptual topics can get quite confusing.