IOT (Internet of Things) Applications and Current Issues in Korea

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Abstract

Internet of things examples extend from smart connected homes to wearables to healthcare. It is not wrong to suggest that IoT is now becoming part of every aspect of our lives. Not only **internet of things applications** are enhancing the comforts of our lives but also it giving us more control by simplifying routine work life and personal tasks. With the recent hype about the future prospects of IoT has forced companies to take the initiative of coming up with basic building blocks of internet of things i.e. hardware, software and support to enable developers deploy applications that can connect anything within **scope of internet of things**. We know that the potential of IoT markets is huge but there are some domains that will mature much faster than the rest. Here we list the **application areas for the internet of things with examples** that have the potential of exponential growth. Definition of connected home is different for different people. In simple words a **smart home** is the one in which the devices have the capability to communicate with each other as well as to their intangible environment. A smart home gives owner the capability to customize and control home environment for increased security and efficient energy management. There are hundreds of **IoT technologies** available for monitoring and building smart homes. Consumer product manufacturers like Belkin, Philips, Amazon and Haier have already established themselves as prominent companies in this market. Here are the **examples of internet of things for building your own smart homes.**
In this keynote, I will talk the concepts behind Internet of Things services and products from Korea. You will have chance to understand about sensors, actuators, processors and communication protocols to understand and develop skills that will help you in deploying real life **IoT applications and Big issues in Korea**. I also cover the topics as IOT Applications with Examples in Korea, The fundamental Components of The IOT and Future Direction of IOT.

Biography

Dr. Haeng-Kon Kim was a vice President of Research and Information, a dean of engineering college and a professor in the School of IT, Daegu Catholic University, in Korea. He has been a research staff member in Bell Lab., NASA center and Central Michigan University in U.S.A. He received two Ph.D from Chung Ang University, Krea and University of Bristol, England and has taught in Central Michigan Univ. in U.S.A. during (Dec., 20, 2000 ~ Feb., 20, 2002). Prof. Kim advised 27 Ph.D students and 43 master Degree students in his Laboratory of Catholic Univ. of Daegu in KOREA. His research interests include following fields: Software Engineering, Mobile Applications Design and Testing, SOA, Frameworks for U-Healthcare Services and IOT.

Prof. Kim is chief editor of KIPS SE-Sig journal and Korea Multimedia Society, an editorial board of KISS(Korea Information Science Society), a steering committee of KIPS (Korea Information Processing Society). He was an organization committee (publicity chair) of ACIS and SEITI at CMU in U.S.A. He is also a senior member IAENG and WCECS from Hong Kong.