What's NExT? Sensor + Cloud!?

Kian-Lee Tan
National University of Singapore, Singapore
tankl@comp.nus.edu.sg

ABSTRACT

Today, we are witnessing a number of interesting phenomena. First, there is an increasing adoption of sensing technologies (e.g., RFID, cameras, mobile phones) in many industries. Second, the internet has become a source of real-time information (e.g., through blogs, social networks, live forums) for events happening around us. In fact, we can consider these sources as "sensors". Finally, Cloud computing has emerged as an attractive solution for dealing with the "Big Data" revolution. By combining data obtained from sensors with that from the internet, we can potentially create a demand for resources that can be appropriately met by the cloud. This talk will discuss some application scenarios, challenges and opportunties for the communities. Our goal is to exploit these technolgies for smart living.

Kian-Lee Tan is a Professor of Computer Science at the School of Computing, National University of Singapore (NUS). He received his Ph.D. in computer science in 1994 from NUS. His current research interests include multimedia information retrieval, query processing and optimization in multiprocessor and distributed systems, database performance, and database security. He has published numerous papers in conferences such as SIGMOD, VLDB, ICDE and EDBT, and journals such as TODS, TKDE, and VLDBJ. Kian-Lee is a member of ACM.