uID Architecture

An Application Framework for the IoT, or Ubiquitous Computing

Ubiquitous Networking Laboratory

Featuring

- 128-bit ucode
- Tag-agnostic
- Open Architecture
  (Specifications are available for free)
- Network based

Applications

ucode for Objects

- Food/Drug Traceability
- Product Maintenance
- many others

ucode for Places

- Location-aware Information Systems
  Route Guidance for the aged, physically-challenged.
  Shopping and Tourism Information

Links

For uID architecture

http://www.uidcenter.org/

For T-Kernel

http://www.t-engine.org/

http://www.youtube.com/
(search "uidcenter" for interesting video clips.)

Welcome to
YRP Ubiquitous Networking Laboratory

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I am Ken Sakamura, the director of YRP Ubiquitous Networking Laboratory, chair of T-Engine Forum, and a professor at the University of Tokyo.

I have led a computer project called TRON Project since its inception since 1984. The TRON Project has a long term vision of offering an open, real-time standardized development environment with the aim of achieving a ubiquitous computing environment where everything has a computer incorporated in it and is connected to a network.

Such a computing paradigm is called by many different names:

Ubiquitous Computing, Pervasive Computing, Computing Everywhere, or the Internet of Things (IoT).

To facilitate the building of such environments, TRON Project has proposed and promoted uID architecture, which is an application framework for the ubiquitous computing of the future.

Already, uID architecture has proven to be useful in building application systems that can serve as the future social infrastructure.

I hope that many people around the world will find uID architecture useful in building the applications of the future.