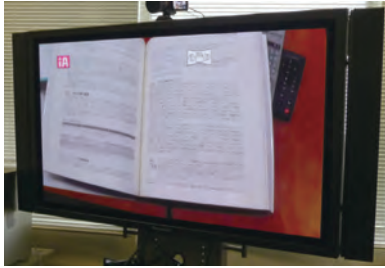




## Education

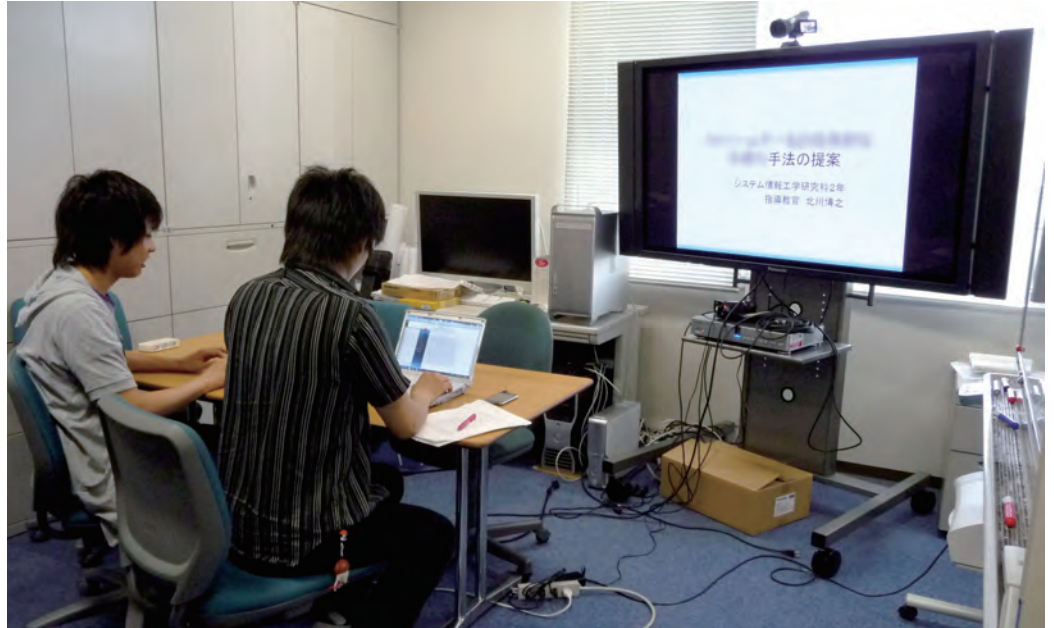
# Connecting research laboratories and achieving effective research activities.



A sub camera allows easy confirmation of technical data.



Whiteboard information can be easily shared.



Data saved on a PC can be shared for practicing thesis presentations.

## Limited time can be effectively utilised among separate research laboratories.



**Professor Hiroyuki Kitagawa**  
Kitagawa Data Engineering Research Laboratory  
Department of Computer Science  
Graduate School of Systems & Information Engineering  
University of Tsukuba

### Installed System

- HD Visual Communications Unit (KX-VC500 + Boundary Microphone) ... 2 Units
- HD Camcorder ... 4 Units
- Full-HD Plasma Display ... 2 Units

### Motivation for Installation

Because the research laboratories of the Department of Computer Science, Graduate School of SIE, University of Tsukuba, are dispersed into four buildings, people have to go to one of the four locations every time they want to have a meeting or receive instruction on their theses. In addition, their professors are very busy, and the opportunities that they have to talk to students in other buildings have decreased. For these reasons, we started looking into systems that would make it easy to link our research labs.

### System Selection Points

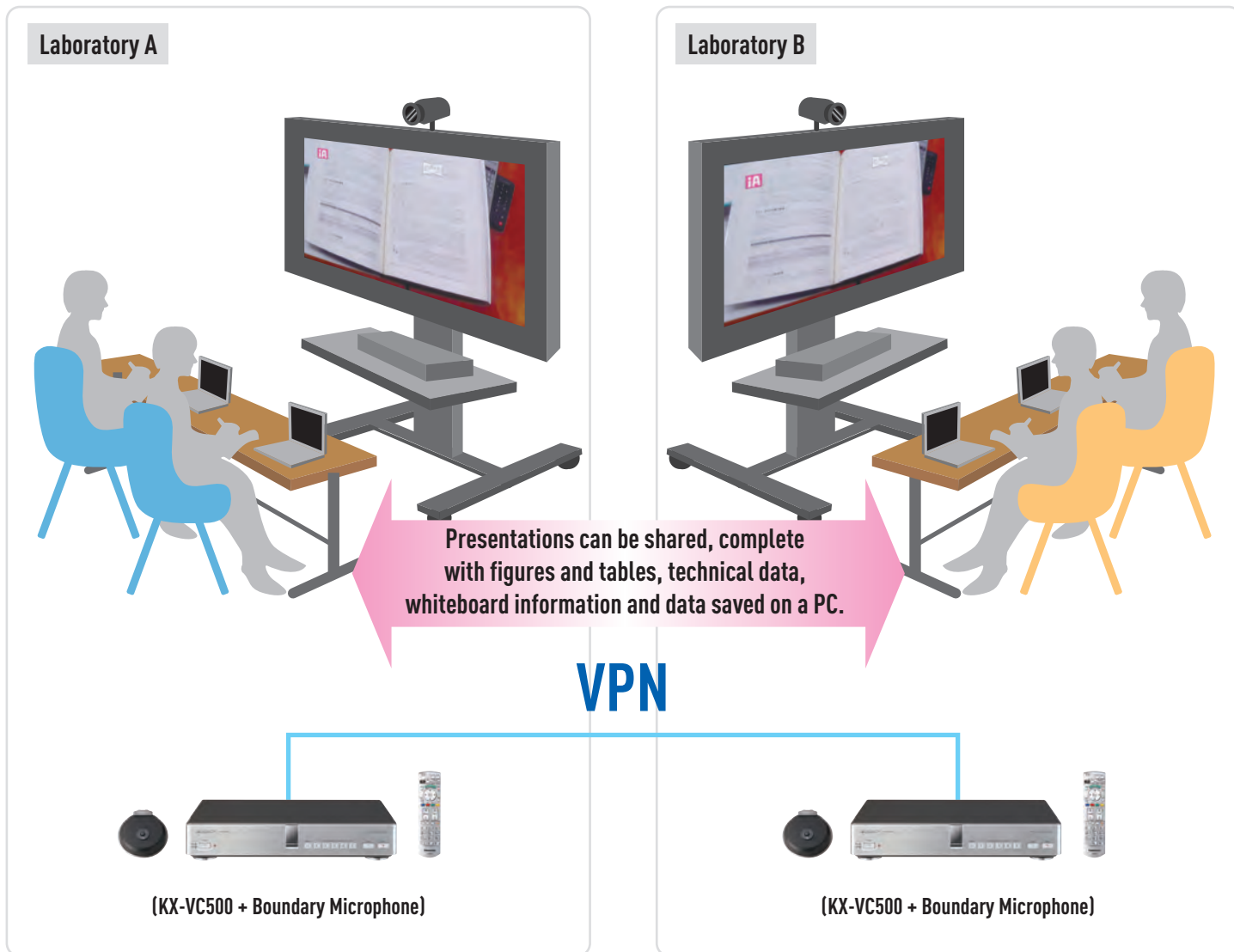
- High image and sound quality.
- Documents can be presented and checked in HD image quality by using a sub camera.

### Customer Information



University of Tsukuba is a national university located in Ibaraki Prefecture, Japan. The university aims to create an educational research site that will play a central role in Tsukuba Science City.

## System Configuration and Operation



## Installation Effect

Communication efficiency among research laboratories that are housed in separate buildings has been greatly improved. The system is used mainly for periodic meetings and for receiving guidance on thesis preparation. The use of a sub camera also allows the sharing of figures, tables and technical data, and the mutual confirmation of whiteboard information and PC-based presentation data. By cutting down on travelling time, and achieving more efficient use of the time of busy laboratory members, research activities have been greatly revitalised.



Systems were installed in 2 of the 4 research laboratories, and operation began in April 2010.

### Installed Models



HD Visual Communications Unit  
**KX-VC500**  
(Boundary Microphone purchased separately)



HD Camcorder



Full-HD Plasma Display