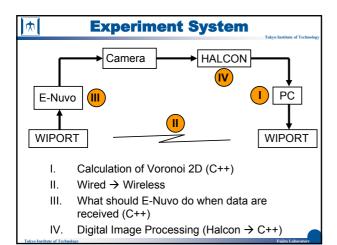
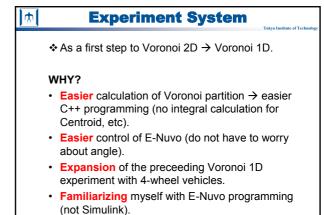


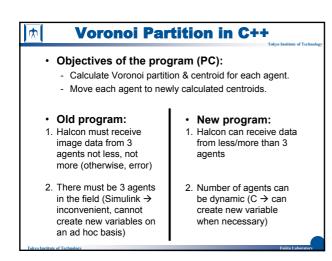
• Why is that the goal? Maximum possible utilization of the sensors: enhance network coverage, extend the system lifetime.

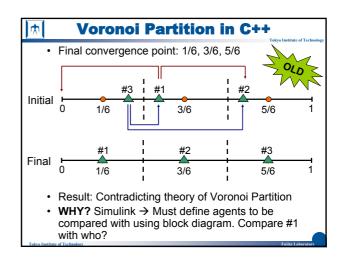
Coverage Control Tays leader of Tree and the experiment: Verification of Coverage Control Theory based on Lloyd Algorithm.

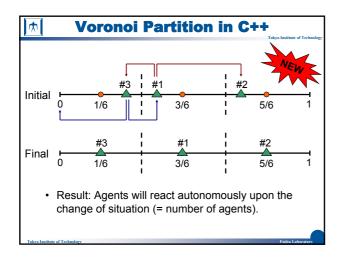
- **Novelty** of the field (no such experiment hitherto).
- Study of Coverage Control through hands-on experience of micro-controller, C programming, serial and wireless networking, and digital image processing.

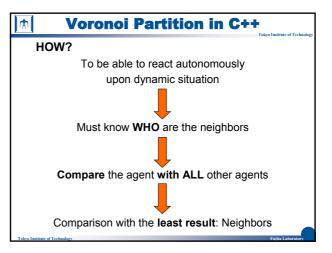


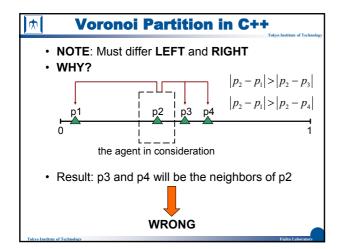


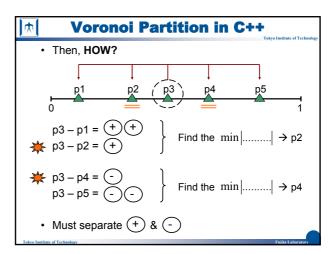


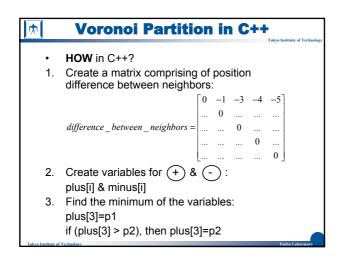


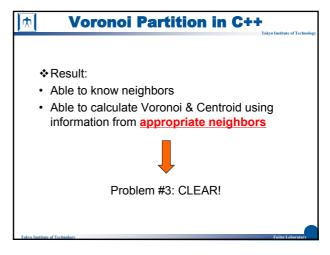


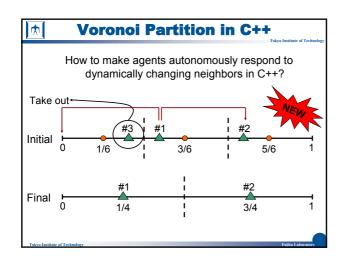


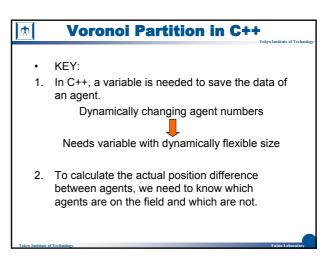


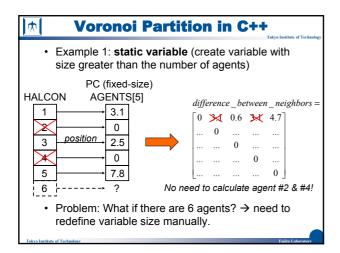


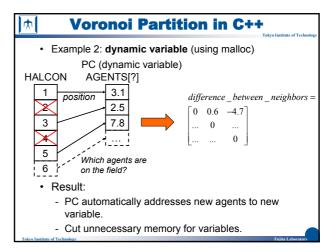


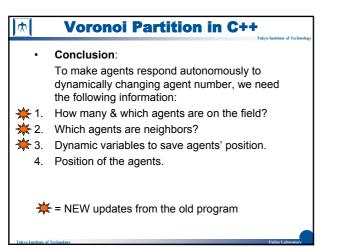


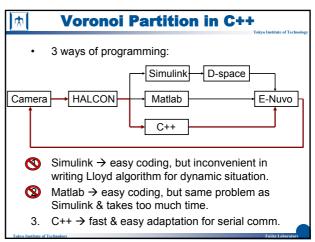


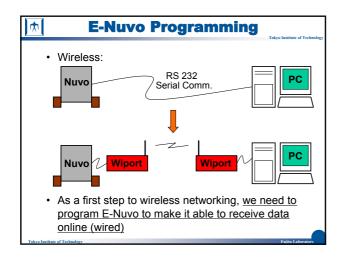


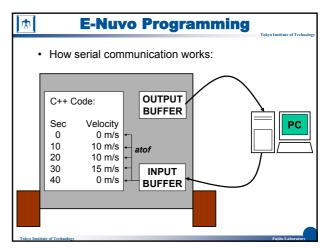


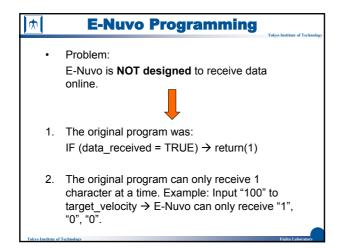


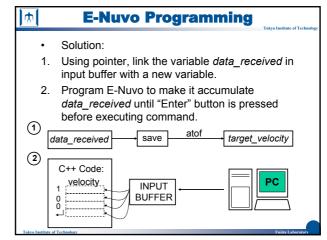


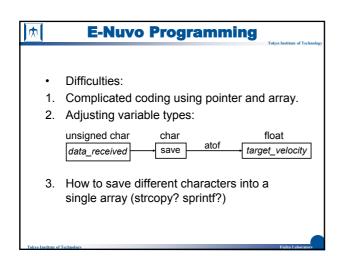


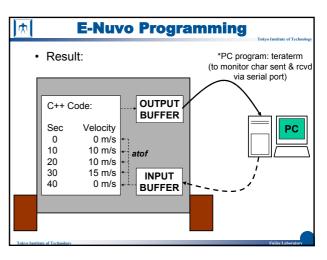


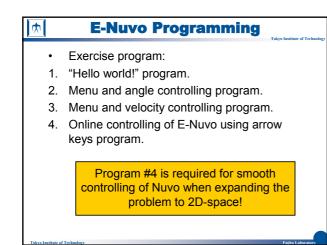


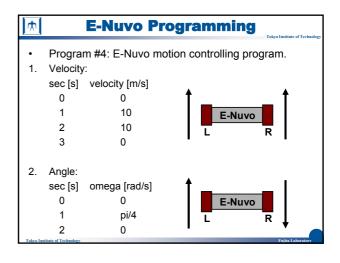


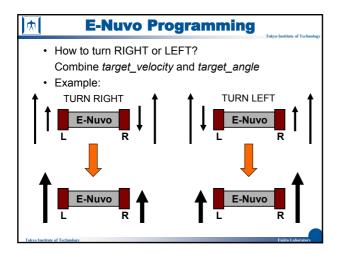


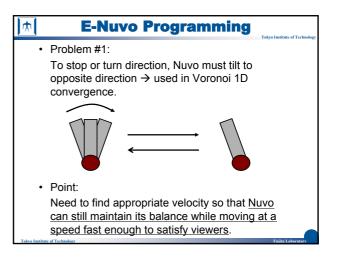


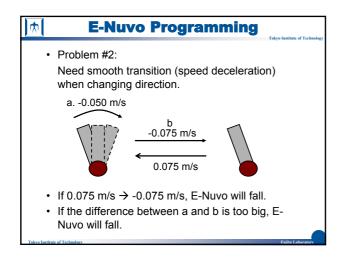


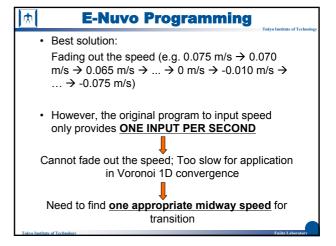


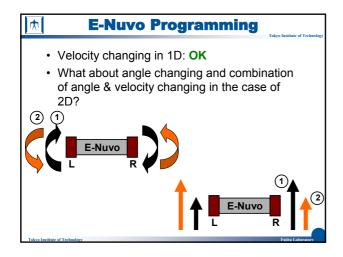


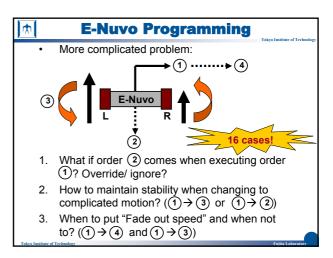


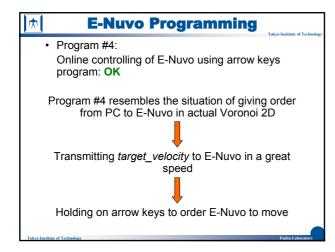


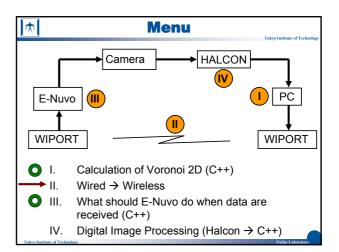


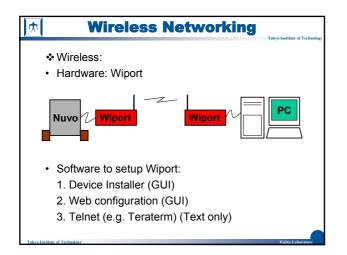










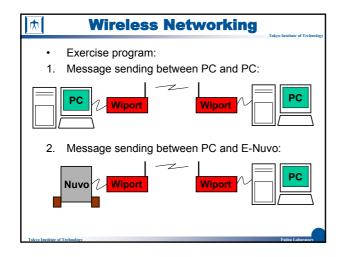


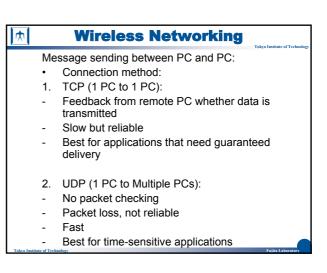
Wireless Networking

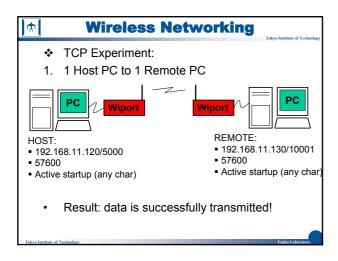
Difficulties:

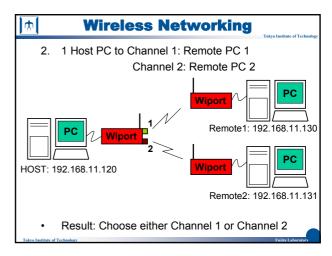
☆

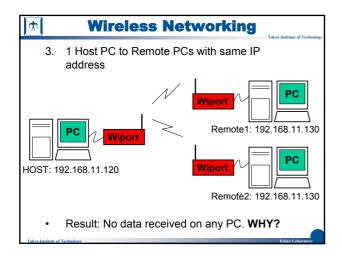
- 1. Too little information on Wiport.
- Telnet → Device Installer → Web configuration
 3 setup processes needed even to change a single mode.
- 3. Baud-rate changing in Telnet: Nuvo Baud-rate: 57600 Wiport setup Baud-rate: 9600

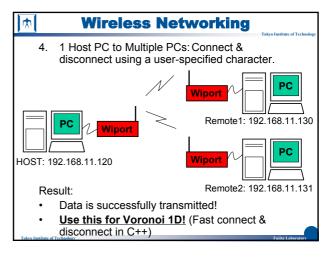


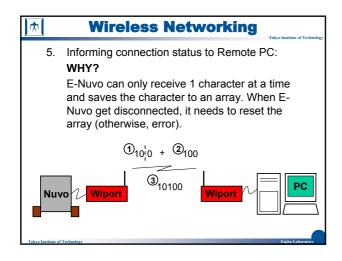


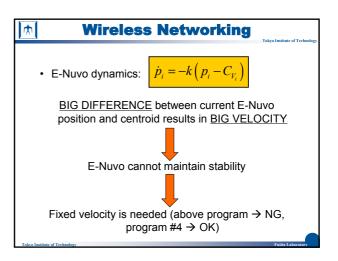


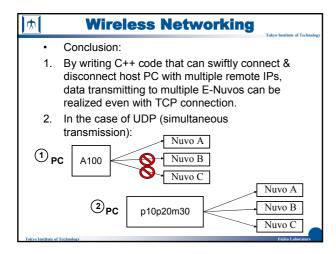


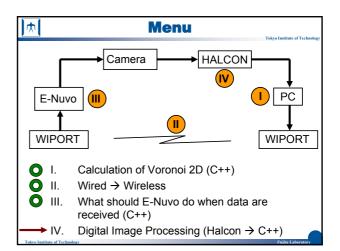


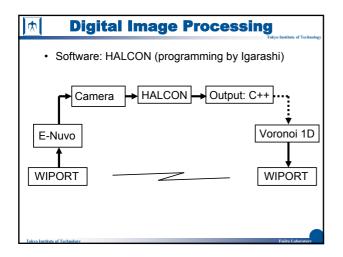












Digital Image Processing

Old HALCON program:

- Used size (Large/Medium/Small) to differ agents:
 1. Influence balancing in E-Nuvo
 2. Incompatible to dynamic variable (WHY?)
- · Can only detect 3 agents.

New HALCON program:

- · Uses color to differ agents.
- Can detect multiple agents

