

## **Syllabus of my course (3D and Next Generation Memories)**

**Part 1** (Outline of basic concept of semiconductor memories)

1. DRAM & SARM
2. NOR-Flash
3. NAND-Flash

**Part 2** (Recent device and process technologies of 3D NAND-Flash)

**Part 3** (Reliability of 3D NAND-Flash)

**Part 4** (Recent application of solid-state Drive using 3D-NAND)

**Part 5** (Issues of recent DRAM and its new technology trend)

**Part 6** (New application of memory: in memory computing for AI)

**Part 7** (Recent technology for high band width and low power)