

ABSTRACT

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(xi + 25 pages: 5 figures + 3 appendix)

In this globalization era, the developments of technology has become faster and faster, especially in computer science. To fulfill the need of data transmission that always growth, we need computer system that can handle this problem. Because of that parallel programming was introduced.

One of the most important things in parallel programming is microprocessor. Now as the developments of technology increase day by day, some microprocessor can be merged into a chip. This system called System on Chip.

There are so many SoC developments had been done. Two SoC architecture example will be discuss one by one, compare both of them, and recommend the better architecture between those two architecture.

Reference : 8 (1997 - 2006)