

# Chapter 7

## Conclusion

In this thesis, *relative* temperature sensor and its placement algorithm have been presented. We introduce a method to identify proper locations for each *RBJT* and *CORE* of each *relative* sensor. *Relative* temperature sensor has been shown to be effective to reduce area overhead and errors of temperature measurement caused by process variations. Simulation result shows that this method has significant improvement in maximum temperature error cases, minimum temperature error cases and the reduction of sensors area overhead.

