

Advanced Algorithms and Programming Practices

- Coding Convention
 - Motivation
 - Kernel Coding Style
- Shell Scripting
 - Introduction
 - Simple shell scripts
 - Automatic testing using shell scripts
- ◆ Algorithms and Data structures
 - N-d arrays
 - N-d arrays on hard disk
 - Linked list
 - Linked list on hard disk
 - Dynamic tables
 - Heap using trees
 - AVL trees
 - Splay trees
 - B-trees
 - Disjoint sets
 - Kruskal using Disjoint sets
 - Hashing by chaining

BOOKS:

- ◆ Introduction to Algorithms-*Thomas H. Cormen*
- ◆ Pro Bash Programming Scripting the GNU/Linux Shell – Chris F.A. Johnson

