

# Chapter 7 – Management Practices for Software

## Lean Philosophy adapted to Software Development in “*Lean Software Development*” Poppendieck (2003)

### Lean Management Practices

1. Limiting Work In Progress (WIP)
2. Visual Displays for:
  - Key Quality Metrics
  - Key Productivity Metrics
  - Current Status of Work
3. Using Performance and Infrastructure Data
  - To make Daily Business Decisions

### Lean Management

- Limit Work-in-Progress (WIP)
- Visual Management
- Feedback from Production
- Lightweight Change Approval

### Lean Management for Software Development

- Limit WIP to prevent over burdening
- Visual Displays enable High Quality Communication
- Implement lightweight Change Management Process
  - None or Peer Review works best
  - External (CAB) does not work
  - Pair programming or intra-Team review enough
- Overcome Segregation of Duties
  - Code should be reviewed AFTER commit by another Team Member
  - Deployment to Production should be fully Automated

