Programming Project Ideas

- Distributed, Pre-emptive N-Version Programming
- Transactions
  - Nested Transactions
  - Split Transactions
  - SAGAS
  - Open Multithreaded Transactions
- Recovery Blocks
- Consensus Recovery Blocks
- Atomic Actions
- Self-Configuring Optimal Programming
- OPTIMA or AspectOPTIMA
  - Implement parts of OPTIMA in Java
  - Extend AspectOPTIMA with additional features
Airbus

- Airbus Accidents Information
  - http://www.airdisaster.com/
  - http://www.rvs.uni-bielefeld.de/publications/Incidents/
Railway Control


Others

• CA Actions and the Production Cell
  • Many follow-up papers, one in Software Practice and Experience

• Implementations
  • Jie Xu, Brian Randell and Avelino Zorzo: Implementing Software-Fault Tolerance in C++ and Open C++: An Object-Oriented and Reflective Approach.
  • Arjuna & Java OTS