

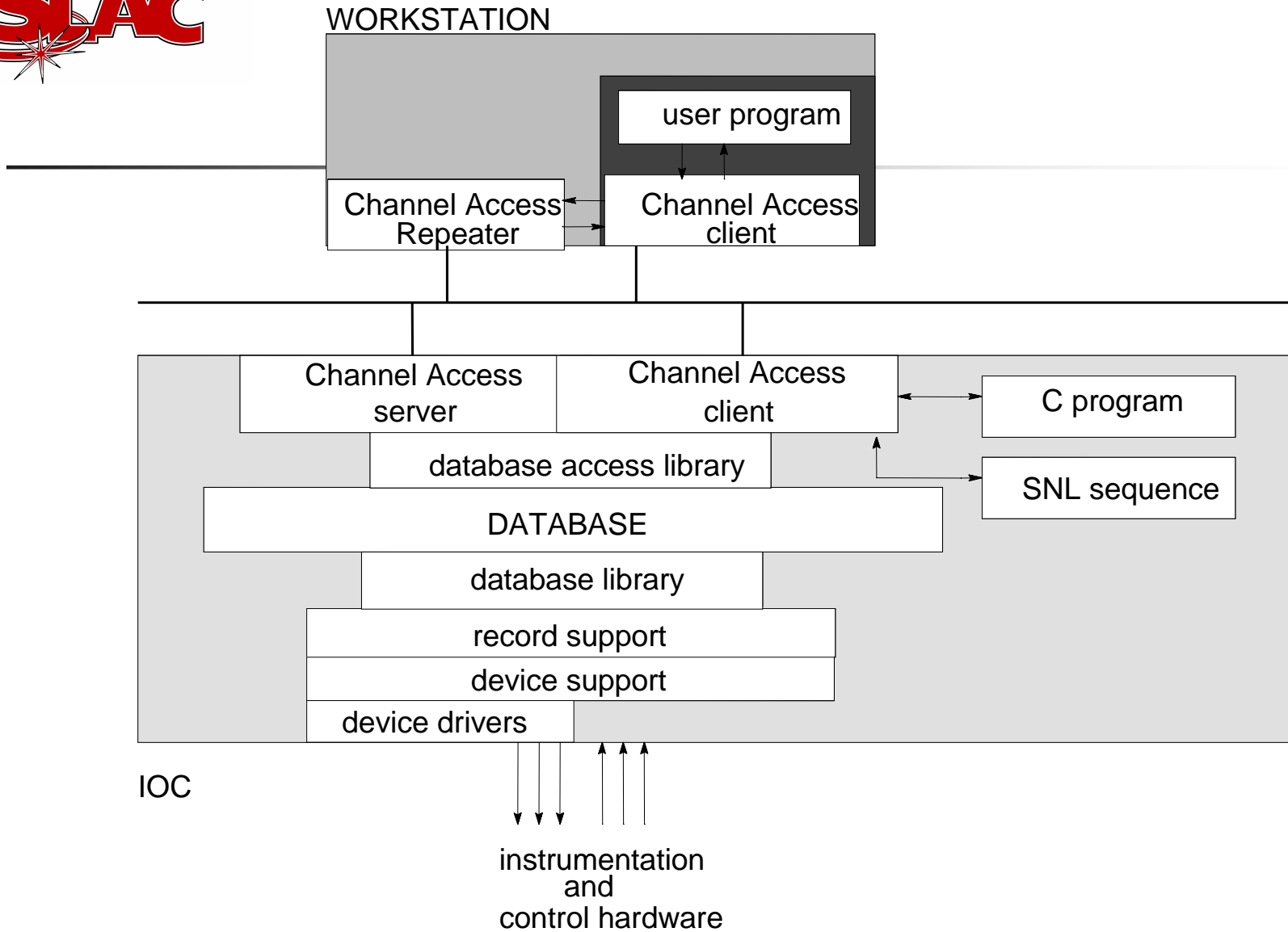
Stanford Linear Accelerator Center



Where to put the "C" in EPICS

BaBar-ESD Training

May, 2002





Low level

- **Driver/Device Support**
 - Fast, special purpose code
 - Harder to debug; longer dev. cycle
- **Record Support for existing record**
 - Special purpose code
- **New Record**
 - Can replace whole bevy of records



Mid level

- **Subroutine Record**
 - Easy version – use only 10 I/O points
 - Hard version – use db programming
- **CALC Record**
 - Change “on the fly”; limited functionality
- **Database programming in lieu of “C”**
 - Cleverly linked records can solve many problems



High level

- SNL program
 - Easy access to PVs
 - Escaped code expands capability
 - Virtual IOC => client side too
- Server-side task
 - OSI layer provides for portability
- Client-side task
 - These are just user apps