

ROSE Issues

- Attendees: Dan Quinlan, Al Malony, Laksono Adhianto, Philip Roth
- Three issues:
 - EDG C/C++ parser
 - ROSE performance annotations from HPCToolkit
 - Automatic generation of Modeling Assertions expressions

ROSE Issues (2)

- EDG C/C++ parser
 - Licenses
 - Both TAU and ROSE use EDG
 - TAU has commercial EDG license, ROSE has academic/research license
 - Possibility of unifying licenses – will be explored in near future
 - OS X: parser binaries no longer provided in ROSE tarball, downloaded as part of configuration step
- ROSE AST performance annotations
 - HPCToolkit API has changed
 - ROSE needs to adapt
 - Will fix issues in separate meeting once others arrive later in the evening (e.g., Craig Rasmussen, LANL)
 - TAU could also be used to provide performance annotations

ROSE Issues (3)

- Automatic generation of Modeling Assertions (MA) expressions
 - Simple use case presented to clarify MA needs
 - A while ago, Dan built an example using ROSE that auto-generates expressions and uses MAPLE to simplify expressions
 - Handles loops (nested and sequential) and some inter-procedural propagation of expressions
 - Sounds like partial solution to MA needs
 - Require further investigation/development to handle conditionals and some other constructs