



Ohio Supercomputer Center

An **OH·TECH** Consortium Member

SUG Software Committee Report

Rick Prairie

Oct 6, 2016

Attendees: Richard Prairie, Tom Beck, Heechang Na, and Karen Tomko



Call for Participation

- When
 - Software committee meets prior to SUG meetings
 - Discussion via email between meetings
- What
 - Decisions on which software packages are purchased for academic use, respond to new software requests



Recent Decisions

- **Extra Feature Purchase**
 - Star-CCM+: 4 GUI+56 HPC -> unlimited licenses (50 + 10,000)
 - Initially 100% from Dr. Selamet (Feb 2016)
 - Renewed 100% from OSU (Sep 2016)
- **Third party license**
 - Matlab
 - 4 universities, 5 locations
 - Cincinnati:Math, Cincinnati:Engineering, Dayton, Miami
 - Is-dyna
 - 3 OSU groups and 1 Cincinnati group
- **Renewal discontinued**
 - Is-dyna
 - Discontinued OSC license, changed to 3rd party hosting model



Renewals/Purchases – Since Dec. 2015 meeting

Software	Expiration/option	License Term	Cost	Renewal Status
Gaussian	Dec 31, 2015	1	\$12,000*	Done
Star-CCM+	Extra licenses	1	\$991.78*	Done
MDCS (OSU)	Mar 1, 2016	1	\$589.92	Done
MDCS (non-OSU)	Apr 1, 2016	1	\$1,475.04	Done
Turbomole	Apr 29, 2016	1	\$2,736	Done
Amber 16	New version	permanent	\$2,000	Done
Comsol	Jul 1, 2016	1	\$8,221	Done
Star-CCM+	Sep 23, 2016	1	\$5,000	Done
Schrodinger (Glide suite)	Oct 13, 2016	1	\$8,850*	Done
Allinea	Oct 14, 2016	1	\$4,776	Done

* Contribution from user for portion of the cost



Pending/upcoming Purchases – until Dec. 2016

Software	Expiration/option	License Term	Projected Cost	Renewal Status
Abaqus	Oct 31, 2016	1	\$17,040	Quote received
pgi	Dec 5, 2016	1	\$6,920	
CSD	Dec 31, 2016	1	\$1,700	
ChemKin-pro	New purchase	1	\$2,500	Under review



Committee Meeting Descriptions: current wording

- Software and Activities Committee

One priority of SUG is to advise the OSC director on acquiring outstanding software requested by the user community. Commercial and user software supported by the Center is reviewed for availability of the resource, clarity of documentation, quality of user interface, ease of use, logical development of the presentation, effectiveness, contribution to OSC resources, and degree of restrictions. The Software and Activities Committee oversees a program that supplies academic writers of useful software with system time for porting in return for long-term access to the software for OSC users.





Committee Meeting Descriptions: proposed wording

- Software Committee

One responsibility of SUG is to advise the OSC staff on acquiring application software and HPC software development tools as requested by the user community for supporting their research activities. This committee is focused on that activity and reviews software license acquisition (initial as well as renewals). Software purchased and deployed on our clusters is reviewed for impact to community, license terms, and suitability for the resource.

