<table>
<thead>
<tr>
<th>#</th>
<th>Tracker</th>
<th>Status</th>
<th>Priority</th>
<th>Subject</th>
<th>Assignee</th>
<th>Updated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1491</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Update documentation of GPUManager</td>
<td>Jaemin Choi</td>
<td>04/07/2017 04:10 PM</td>
</tr>
<tr>
<td>1490</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Automatically set NVCC path in Makefile of example program</td>
<td>Jaemin Choi</td>
<td>04/11/2017 10:51 PM</td>
</tr>
<tr>
<td>1489</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Delete GPU dummy mempool</td>
<td>Jaemin Choi</td>
<td>04/11/2017 10:52 PM</td>
</tr>
<tr>
<td>1482</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Update Charm++ FAQ</td>
<td></td>
<td>04/05/2017 08:39 PM</td>
</tr>
<tr>
<td>1476</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>Fix Make.depends for libraries</td>
<td></td>
<td>03/30/2017 04:55 PM</td>
</tr>
<tr>
<td>1432</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>document CkLoop caller function</td>
<td>Seonmyeong Bak</td>
<td>02/17/2017 01:36 PM</td>
</tr>
<tr>
<td>1423</td>
<td>Cleanup</td>
<td>Implemented</td>
<td>Normal</td>
<td>Conditionalize PUP sizing on load balancers' needs</td>
<td>Kavitha Chandrasekar</td>
<td>04/10/2017 12:21 PM</td>
</tr>
<tr>
<td>1422</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Normal</td>
<td>Cleanup dangling issues from 64bit merge</td>
<td>Eric Mikida</td>
<td>02/15/2017 05:55 PM</td>
</tr>
<tr>
<td>1418</td>
<td>Cleanup</td>
<td>Implemented</td>
<td>Normal</td>
<td>Remove commilibInfo from _CkSectionInfoStruct</td>
<td>Juan Galvez</td>
<td>02/15/2017 11:58 AM</td>
</tr>
<tr>
<td>1363</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Remove/deprecate dead machine layers</td>
<td>Eric Bohm</td>
<td>04/04/2017 12:37 PM</td>
</tr>
<tr>
<td>1346</td>
<td>Cleanup</td>
<td>Implemented</td>
<td>Normal</td>
<td>Remove AMPI's MSGLOG support for sequential re-run of parallel execution</td>
<td>Sam White</td>
<td>01/19/2017 04:38 PM</td>
</tr>
<tr>
<td>1315</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>examples/charm++/jacobid are non-exemplary HPC code, using nested arrays</td>
<td></td>
<td>11/30/2016 12:46 PM</td>
</tr>
<tr>
<td>1314</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Replace widespread dynamic allocated arrays with std::vector</td>
<td>Ronak Buch</td>
<td>12/23/2016 07:58 PM</td>
</tr>
<tr>
<td>1311</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Align XL-specific conditional compilation (TRAM, std::unordered_map) to relevant versions</td>
<td></td>
<td>12/08/2016 11:18 AM</td>
</tr>
<tr>
<td>1266</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Apply C+++11 atomic feature to lock operations for the integrated LLVM OpenMP Library</td>
<td>Seonmyeong Bak</td>
<td>10/25/2016 05:18 PM</td>
</tr>
<tr>
<td>1265</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Normal</td>
<td>Document LLVM OpenMP runtime integration</td>
<td></td>
<td>03/14/2017 06:40 PM</td>
</tr>
<tr>
<td>1219</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Update SDAG forall documentation</td>
<td>Phil Miller</td>
<td>04/11/2017 03:05 PM</td>
</tr>
<tr>
<td>1203</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>AMPI forces builds to be serial for ROMIO</td>
<td>Sam White</td>
<td>03/16/2017 02:34 PM</td>
</tr>
<tr>
<td>1192</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>AMPI is missing const qualifiers on buffer arguments to communication routines</td>
<td>Sam White</td>
<td>01/11/2017 11:24 PM</td>
</tr>
<tr>
<td>1103</td>
<td>Cleanup</td>
<td>Implemented</td>
<td>Normal</td>
<td>Refactor AMPI virtual topologies</td>
<td>Edward Hutter</td>
<td>08/26/2016 03:04 PM</td>
</tr>
<tr>
<td>1082</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Improve SMP mode documentation</td>
<td>Michael Robson</td>
<td>02/01/2017 10:43 PM</td>
</tr>
<tr>
<td>1065</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Normal</td>
<td>Create a more efficient caching structure for location lookup</td>
<td>Eric Mikida</td>
<td>02/01/2017 01:46 PM</td>
</tr>
<tr>
<td>1059</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Unify Data Collection in Charm++</td>
<td></td>
<td>02/01/2017 01:46 PM</td>
</tr>
<tr>
<td>1015</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>mpi-coexist example hardcodes C++ compiler flags</td>
<td></td>
<td>02/01/2017 12:24 PM</td>
</tr>
<tr>
<td>980</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Cleanup examples/charm++/cuda/hello</td>
<td>Michael Robson</td>
<td>02/01/2017 11:59 AM</td>
</tr>
<tr>
<td>895</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Refactor charmrun interface code in RTS to deduplicate net/netlrts/verbs</td>
<td></td>
<td>12/08/2015 02:19 PM</td>
</tr>
<tr>
<td>650</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Consolidate duplicated Fortran compiler detection/configuration</td>
<td>Sam White</td>
<td>01/11/2017 11:24 PM</td>
</tr>
<tr>
<td>635</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>all trees should be pe/node/physnode/network topology aware</td>
<td>Juan Galvez</td>
<td>03/29/2016 04:07 PM</td>
</tr>
<tr>
<td>627</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Convert common LRTS code from C to C++</td>
<td></td>
<td>11/11/2014 05:53 PM</td>
</tr>
<tr>
<td>626</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Convert PAMI-LRTS machine layer from C to C++</td>
<td></td>
<td>07/20/2016 06:31 AM</td>
</tr>
<tr>
<td>625</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Convert uGNI machine layer from C to C++</td>
<td></td>
<td>11/11/2014 05:52 PM</td>
</tr>
<tr>
<td>#</td>
<td>Tracker</td>
<td>Status</td>
<td>Priority</td>
<td>Subject</td>
<td>Assignee</td>
<td>Updated</td>
</tr>
<tr>
<td>-----</td>
<td>---------</td>
<td>--------------</td>
<td>----------</td>
<td>-------------------------------------------------------------------------</td>
<td>--------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>624</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Convert netlts machine layer from C to C++</td>
<td></td>
<td>11/11/2014 05:52 PM</td>
</tr>
<tr>
<td>623</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Convert Verbs machine layer from C to C++</td>
<td></td>
<td>11/11/2014 05:51 PM</td>
</tr>
<tr>
<td>622</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Convert MPI Machine layer from C to C++</td>
<td></td>
<td>11/11/2014 05:51 PM</td>
</tr>
<tr>
<td>621</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Convert Converse from C to C++</td>
<td>Phil Miller</td>
<td>11/11/2014 05:50 PM</td>
</tr>
<tr>
<td>617</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>Rename windows commands to not reference Windows NT</td>
<td>Michael Robson</td>
<td>04/11/2017 03:55 PM</td>
</tr>
<tr>
<td>595</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Normal</td>
<td>Cut long-running tests &amp; examples out of 'make test'</td>
<td>PPL</td>
<td>01/16/2017 09:32 PM</td>
</tr>
<tr>
<td>567</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Charm++ barnes-charm example cleanup</td>
<td>Harshitha Menon</td>
<td>04/01/2016 01:51 PM</td>
</tr>
<tr>
<td>566</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Charm++ cell example cleanup</td>
<td>Michael Robson</td>
<td>02/14/2017 03:50 PM</td>
</tr>
<tr>
<td>560</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Avoid duplicated work between CmiNodeOf and CmiRankOf</td>
<td>Seonmyeong Bak</td>
<td>02/06/2017 12:05 PM</td>
</tr>
<tr>
<td>540</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>CmiDestroyLocks destroys a lock that the thread (or another) is holding</td>
<td>Nikhil Jain</td>
<td>03/29/2016 04:08 PM</td>
</tr>
<tr>
<td>539</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>Data race in ConverseExit</td>
<td>Seonmyeong Bak</td>
<td>04/04/2017 12:45 PM</td>
</tr>
<tr>
<td>537</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Normal</td>
<td>Data races in handler registration and assignment to global index variables</td>
<td>Ronak Buch</td>
<td>02/01/2017 12:36 PM</td>
</tr>
<tr>
<td>536</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>High</td>
<td>Data Races in SMP PCQueue</td>
<td>Phil Miller</td>
<td>02/01/2017 12:35 PM</td>
</tr>
<tr>
<td>535</td>
<td>Cleanup</td>
<td>New</td>
<td>High</td>
<td>Errors reported by ThreadSanitizer</td>
<td>PPL</td>
<td>02/01/2017 12:37 PM</td>
</tr>
<tr>
<td>512</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Low</td>
<td>Remove duplication of conv-mach files</td>
<td>PPL</td>
<td>02/06/2017 05:42 PM</td>
</tr>
<tr>
<td>475</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Licensing of parallel random number generator from NCSA</td>
<td></td>
<td>03/10/2016 02:32 PM</td>
</tr>
<tr>
<td>474</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Licensing of TreeMatchLB and supporting code</td>
<td></td>
<td>03/10/2016 02:32 PM</td>
</tr>
<tr>
<td>473</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Licensing of library code in Data Transfer library</td>
<td></td>
<td>04/04/2017 01:25 PM</td>
</tr>
<tr>
<td>472</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Licensing of CRC32 code</td>
<td></td>
<td>03/10/2016 02:32 PM</td>
</tr>
<tr>
<td>453</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Remove unused data members from classes and structs used in the RTS</td>
<td>PPL</td>
<td>01/16/2017 09:31 PM</td>
</tr>
<tr>
<td>418</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>Investigate profusion of user-level thread libraries</td>
<td>Nikhil Jain</td>
<td>01/21/2015 11:31 PM</td>
</tr>
<tr>
<td>338</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Remove &quot;custom packed messages&quot; in favor of PUP framework</td>
<td>Seonmyeong Bak</td>
<td>02/14/2016 06:59 PM</td>
</tr>
<tr>
<td>306</td>
<td>Cleanup</td>
<td>New</td>
<td>Low</td>
<td>FEM &amp; ParFUM libraries suffer from several poor coding practices</td>
<td>Laxmikant &quot;Sanjay&quot; Kale</td>
<td>10/17/2013 01:44 PM</td>
</tr>
<tr>
<td>292</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Normal</td>
<td>charmc: Inconsistent handling of distinction between C and C++ linking</td>
<td>PPL</td>
<td>08/27/2015 03:58 PM</td>
</tr>
<tr>
<td>221</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Delete deprecated FEM library</td>
<td>Phil Miller</td>
<td>11/02/2016 02:32 PM</td>
</tr>
<tr>
<td>165</td>
<td>Cleanup</td>
<td>In Progress</td>
<td>Normal</td>
<td>object location services: separate location caching from msg delivery and buffering</td>
<td>Eric Mikida</td>
<td>04/10/2017 12:33 PM</td>
</tr>
<tr>
<td>12</td>
<td>Cleanup</td>
<td>New</td>
<td>Normal</td>
<td>Factor out massive duplication in reductions</td>
<td>Phil Miller</td>
<td>04/11/2017 03:55 PM</td>
</tr>
</tbody>
</table>