

Headley, Kent

From: Tom O'Reilly [oreilly@mbari.org]
Sent: Friday, September 23, 2005 5:04 PM
To: Kent Headley
Subject: SIAM tasks while I'm gone

Kent,

Once again many thanks for taking over SIAM and PUCK duties while I'm gone. Please don't hesitate to contact me if needed.

I *might* have sporadic email contact throughout our trip, at tomoreilly@yahoo.com (Use this yahoo address instead of my MBARI address). Not sure how reliable our access to email will be, though.

I will be reachable by phone during some parts of our trip:

9/27 - 9/29: 011 44 292 046 4572 (friend Julie's home)
 9/30 - 10/9: 011 39 34 05 39 9955 (cell phone)
 10/9 - 10/12: 011 39 08 18 78 1153 (hotel)
 10/12 - 10/13: 011 39 06 68 80 8080 (hotel)
 10/14 - 011 39 08 14 42 1579 (hotel)

Here is the list of PUCK and SIAM tasks that I think should be high priority while I'm gone.

1. Work with Herlien on development of PUCK verification tool. Note that the tool must be delivered to vendors no later than October 31.
2. Continue testing on both MOOS networks (east bench and west bench). Note that MOOS network 2 (east bench) is currently being run in DEBUG mode, and since these nodes only contain 128MByte FLASH cards, the file systems fill up rather quickly. Once the file system is full, things go bad in a hurry. So either run in INFO mode or terminate the test when the FLASH nears capacity. Still need to verify proper wakeup of sleeping subnodes, via the Medusa. Note that siam/utlis/wakeup is a command line RMI utility that utilizes a method now implemented in the Node interface.
3. Add benthic nodes to MSE network (MOOS network 3) on Building G west bench.
4. Add instruments to MSE surface and benthic nodes. Set sampling rates to realistic values; verify that system handles specified sampling rates without difficulty.
5. Develop and test instrument services for MSE. Attached is a reasonably up-to-date MicroSoft Project sheet for SIAM, which includes a list of all the MSE instrument services; the entries marked with a "checkmark" are (ostensibly) complete.
6. Answer questions from PUCK implementors as needed.

Other outstanding tasks to be addressed soon (perhaps they can wait until I return):

6. As you know, we still face the problem of compact flash fillup, and need a more graceful way to handle this.
7. Data snapshot capability for at least some instruments

Thanks,
 Tom

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"The machine does not isolate man from the great mysteries
of nature, but plunges him more deeply into them."

- ANTOINE DE SAINT-EXUPERY
"Wind, Sand, and Stars" (1939)