

RTXI - Test Drive a Real-Time Linux Based Dynamic Clamp System on Your Laptop

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RTXI is an open-source, real-time Linux-based dynamic clamp system (<http://www.rtxi.org>). While real-time Linux systems have a reputation of being difficult to install and use, we believe RTXI overcomes such issues. In this workshop, an introductory talk will describe the system, and two applications talks will demonstrate its utility. Next, workshop participants will receive a bootable USB stick (containing a live Ubuntu-based RTXI system) with which to test drive RTXI on their laptops.

Agenda (3 hours)

(30 minutes) Introduction to RTXI: Risa Lin (graduate student, Georgia Tech)

(30 minutes) Science Application 1: Dr. Tay Netoff (University of Minnesota)

(30 minutes) Science Application 2: Dr. Fernando Fernandez (University of Utah)

(1.5 hours) Interactive tutorial, using live RTXI USB system on users' laptops, with assistance from RTXI developers.