



Simulation Working Group

TTX V

2/22/08



Overall Status

- Just over one year old
- Light activity
- Currently members work towards individual projects
- Working group goal is to advance code from contrib into the main tree
- Secondary goal is to identify an overarching project



Power TOSSIM

- Mica2 done and in contrib
 - Needs testing
- MicaZ would require a CC2420 simulation



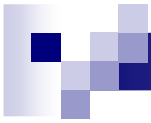
CC2420 Simulation

- JHU has a full up CC2420 simulation
- Immediate goal to get into contrib
- Testing
- Targeting release after 2.1

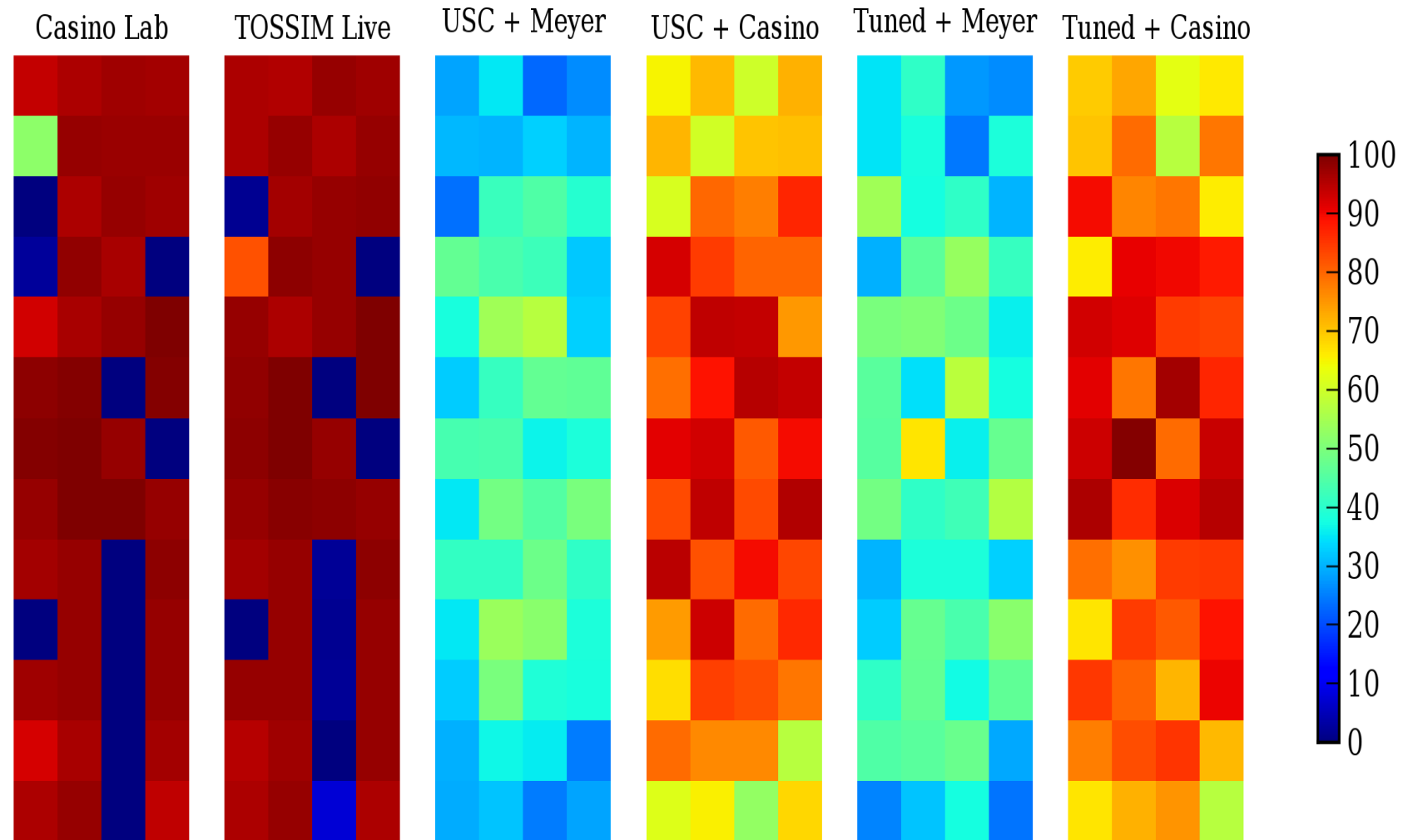


TOSSIM Live

- Provides a serial forwarder port for TOSSIM
- Provides a simulation throttle
- Provides a script for generating link gain models from packet traces
- Combined provides a testbed in a thread
- In CVS today will be in the next release
- Future work to integrate with Tunit



TOSSIM Live





Improved RSSI Simulation

- Work from Tal Rusak @ Cornell
- TOSSIM currently has constant reception power
- Presentation and poster later today



Future Outlook

- Membership is in flux (graduations, new jobs, etc)
- Need to identify projects in the community with useful simulation components
- Always interested in new active members and project ideas