Hari Balakrishnan and John Guttag

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Project Overview

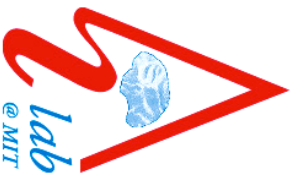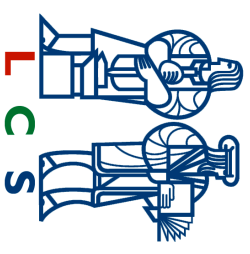- Long-term goal: Context-aware, mobile pervasive computing systems

- Cricket: Indoor location system based on RF and ultrasound

    – Scalable, autonomous, deployable, facilitates privacy

- Intentional Naming System: Resource discovery
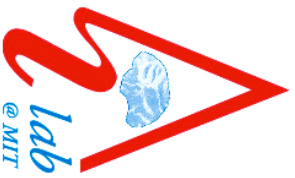
**Hari Balakrishnan and John Guttag**
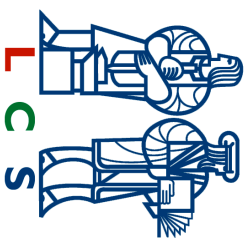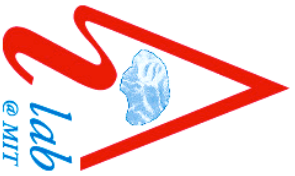
Progress Through June 2002

- Progress on auto-configuration algorithm
  - Decentralized algo. with local node behavior to yield global configuration
  - Uses ball-and-springs model inspired by physics
- Cricket compass design and apps
- INS/Twine paper (Pervasive 2002 conf)

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Research Plan for the Next Six Months
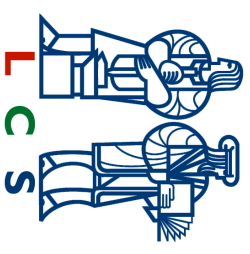
- Implement autoconfiguration algorithms and prove properties

- Continue compass engineering and apps

- Monitoring and control applications for large-scale sensor information processing