

# Rodrigo Schmitt Meurer

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## Profession

- B. Sc. Student in [Automation and Control Engineering](#) at [Federal University of Santa Catarina \(UFSC\)](#) (7th period)
- Researcher of the [Software/Hardware Integration Lab \(LISHA\)](#) at UFSC
- [Weekly Schedule](#)

## Research Activities

### Research Topics:

- **Virtualization**
- **Artificial Intelligence**
- **Embedded Systems**

### Research Interests:

- Virtualization
- Wireless Sensor Networks applications
- Domotic/Automation/Robotic
- Data Mining/Information Retrieval/Machine Learning

### Current Projects/Experiments:

- [Adaptation of a Minimalistic Dom0 of Xen that implements a Service VM \(.Project\)](#)
- [Prescient - Context Aware Home Monitoring and Control Central \(Source\)](#)

### Former Projects/Experiments:

- [Analysis of SW aspects' influence on energy consumption using HLS](#)
- [Implementation of the AES cipher in hardware using the Unified Design Strategy.](#)
- [Implementation of a FIR filter in hardware using HLS techniques.](#)
- Development of a Wireless Sensor Network with mobile nodes based on arduino.\*
- Adaptation of a Crash bobby platform for arduino.\*
- Projects developed before joining lisha.

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## Contact

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