

Arliones Hoeller Jr. (M.Sc.)



Profession

- Assistant Professor at the Telecommunications Department of the [Federal Institute for Education, Science, and Technology of Santa Catarina](#)
- External Associated Researcher at the [Software/Hardware Integration Lab \(LISHA\)](#), of the [Federal University of Santa Catarina \(UFSC\)](#)
- [Curriculum Vitae at CNPq \(Lattes\)](#)

Teaching Activities

Programs and Lectures

- Undergraduate
 - [Telecommunications Engineering \(IFSC\)](#)
 - [Advanced Digital Systems Design \(2015.1\)](#)
 - [Integration Project II \(2014.2, 2015.1\)](#)
 - [Operating Systems \(2014.1, 2014.2, 2015.1\)](#)
 - [Computer Networks \(2014.1\)](#)
 - [Telecommunication Systems Technology \(IFSC\)](#)
 - [Computer Networks II \(2014.1\)](#)
 - [Undergraduate in Computer Science \(UFSC\)](#)
 - [Embedded Systems Laboratory \(2004.1, 2013.1\)](#) (UFSC, Assistant)
 - [Software/Hardware Integration \(2004.2, 2011.2\)](#) (UFSC, Assistant)
 - [Dedicated Operating Systems \(2010.1, 2011.1\)](#) (UFSC, Assistant)
- Post-secondary degrees
 - [Telecommunications Technician \(IFSC\)](#)
 - [Computer Networks \(2014.2\)](#)
- Secondary Integrated degrees

- [Telecommunications Technician \(IFSC\)](#)
 - [Computer Networks \(2014.2, 2015.1\)](#) (IFSC)
 - [Management of Computer Networks \(2013.2\)](#) (IFSC)

Advising

- Currently, I'm advising undergraduate students in themes related to my research topics. Check these [information for applicants](#) to see how you can write your monograph under my supervision.
-

Research Activities

Research Topics

- **Embedded Operating Systems:** Portability, Power/Temperature Management, Resource Management
- **Embedded Real-Time Systems:** Real-Time Scheduling, Real-Time Communication, Design of Real-Time Systems
- **Power Management of Embedded Real-Time Systems:** Schedulability, Power X Time Tradeoffs

Current Projects

- [The EPOS Project](#) (2002 - now): Several funding agencies and companies

Former Projects

- [CIA2: Building SmartCities](#) (2011 - 2013): CTIC/RNP
- [PDSCE: Embedded System Development Platform](#) (2005 - 2007): FINEP
- [ParaBioInfo: Parallel Applications in Bioinformatics](#) (2003 - 2004): CNPq
- AutoFlash: Software Update in Automobiles (2002 - 2003): FAU

Awards & Honors

- 2013: 1st place at Intel Embedded Systems Competition, Brazil
- 2007: Best-paper award 4th Brazilian Workshop on Operating Systems
- 2006: Best-paper award 3rd Brazilian Workshop on Operating Systems

Publications (click)

Contact

Rua José Lino Kretzer, 608 - Praia Comprida ([map](#))

88103-310 São José - SC - BRAZIL

Phone: +55 48 3381-2854

E-mail: arliones.hoeller@ifsc.edu.br

Personal Stuff

- [Google Scholar Profile](#)
- [Microsoft Academics Profile](#)
- Erdős number: 5

Arliones Hoeller Jr

