
Visit to LBNL – July/2010

Carlos Eduardo Pereira

Institutions

- UFRGS/School of Engineering/GCAR
- INCT Namitec - [link](#)

-
- Professor UFRGS – Brazil – Electrical Engineering
 - Vice-Dean School of Engineering
 - PhD Industrial Automation EE – Univ Stuttgart Germany – 1995
 - Sabbatical – United Technologies Research Center – Hartford/CT/USA (Carrier, Otis, Sikorsky, Pratt-Whitney, Hamilton Sundstrand) – Group Leader – Embedded Information Devices – 2000/2001
 - Technical Director CETA SENAI/RS Brazil 2002/2009
 - TC Chair IFAC TC5.1 Manufacturing Plant automation
 - President - Brazilian Automation Society
 - Associate Editor – Control Engineering Practice Journal - Elsevier

Escola de Engenharia



General Information



- **UFRGS:**
 - ~30000 students /18000 undergrad
 - teaching staff: ~2300
 - 65 undergrad courses
64 MSc./PhD programs
- **School of Engineering**
 - created in **1896**
 - 13 undergrad courses (Civil, Elec., Mec., Chem., Mines, Metal., Mat., Prod., Comp., Env., Aut., Energy, Phys.),
7 grad Msc./Phd programs
 - teaching staff: 220
 - students: ~6000 students/4500 undergrad

UFRGS



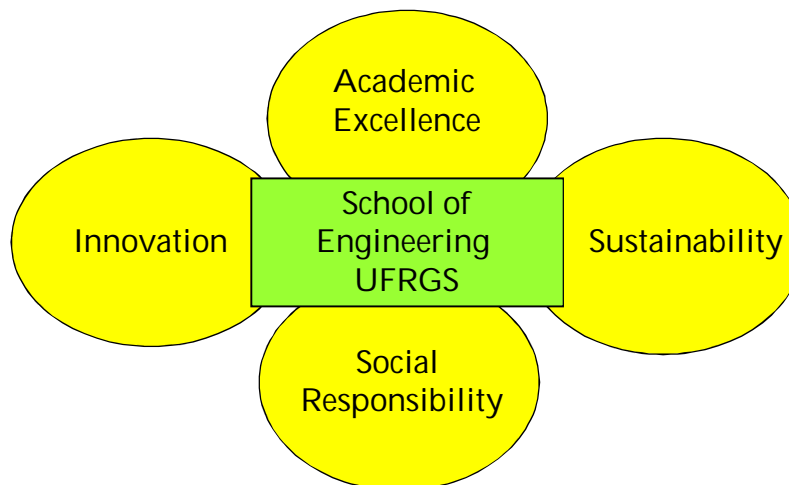
- Created in 1895
- ~70 undergrad programs
- Faculty: 2400 (85% full time)
- Students: ~34 000 (~20 500 undergrad)
- 4 Campus in Porto Alegre/RS
- One of the top 5 universities in Brazil

- Control, Automation and Robotics Group
- 10 Faculty members + ~25 PhD students + ~30 MSc students
- Automation:
 - industrial + building automation applications
 - Real-time distributed embedded computing

- Civil
- Chemical
- Control and Automation (new)
- Computer
- Enviromental (new)
- Electrical
- Production
- Mechanical
- Metalurgical
- Mines
- Materials
- Energy, Biomedical (planned)

MSc. and PhD. levels:

- **Civil**
- **Chemical**
- **Electrical**
- **Production**
- **Mechanical**
- **Metalurgical, Mines & Materials**
- **Design**



School of
Engineering
UFRGS

- top 500 world class universities

- graduated courses with excellent evaluation
- scientific publications
- international collaboration
- active participation on technical committees of scientific societies (IEEE, IFAC, ...)

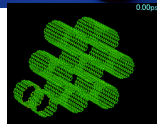


School of
Engineering
UFRGS

Sustainability



Clean technologies
Renewable energy

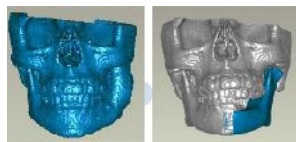


Green buildings



School of
Engineering
UFRGS

Social
Responsibility



- More information:
<http://www.ufrgs.br/eng>