Federal University of Rio Grande do Sul (UFRGS)

- Founded in 1934 (first schools date back to 1895)
- One of the five largest universities in Brazil
- Approximately 2,500 faculty members
- Students: ~27 K (undergraduate) and ~17 K (postgraduate)
- Ranked the best university in Brazil
  - Latest evaluation by the Ministry of Education on 2000 universities
• 10 million inhabitants
• Roughly the size of Britain

• Capital of the state
• 1.5 million inhabitants
• 10th largest city in Brazil
• Video about Porto Alegre
  http://www.youtube.com/watch?v=pCh4h1aYxtw
Institute of Informatics at Campus do Vale
Institute of Informatics (INF-UFRGS)

- One of the largest CS institutes in Brazil
  - 68 full-time faculty
- Two departments
  - Applied and Theoretical Informatics
- Faculty with diverse PhD backgrounds
  - Brazil(28), France(13), Germany(9), UK(7), USA(3), Canada(2), Belgium(2), Switzerland(2), Portugal(2)
Undergraduate and Graduate Courses

• Computer Science and Computer Engineering undergrad courses
  – Ranked best in Brazil by an independent newspaper (Folha SP)
  – Over 900 students

• Postgraduate Programme in CS
  – Awarded the highest grade by the Ministry of Education
  – Among the top 5 programs in CS in Brazil
  – Currently: 300 students (MSc and PhD)
  – Graduated over 250 PhD and 1350 MSc students
Research

• Wide range of research areas
  – Artificial Intelligence and Robotics
  – Computer Graphics, Image Processing and Interaction
  – Embedded Systems
  – High Performance Computing
  – Information Systems and Databases
  – Networks and Data Communication
  – Microelectronics
  – Software Engineering and Formal Methods
Scientific Contribution: main conferences

- VLDB
- PODS
- IJCAI
- AAAI
- ICSE
- DAC
- DATE
- SIGGRAPH
- EUROGRAPHICS
- ESWEEK
- ITC
International Collaboration
Innovation

- Birthplace of the IT industry in the state
- Prof. Juergen Rochol designed the first modem in Brazil
- First commercial Internet provider in the state
Examples of Innovative Projects

Virtual surgery room for remote monitoring of surgeries and training (Roesler et al.)

Space radiation tolerant chip (Kastensmidt et al.)

Intelligent management of geological data (Abel et al.)
Innovation: CEI - Incubator

• Currently with 12 companies

• 20 in the market

• 40% success rate (3 years)

• Postgrad and undergrad students + professors
Institute of Informatics (INF-UFRGS)

People

Innovation

Scientific contribution

Cooperations