



CERN School of Computing

inverted CSC-2005

"Where students turn into teachers"



23-25 February 2005, CERN*

All the answers at **icSc**

- ✓ Have you ever heard of **Enterprise Computing**, is it relevant to physics computing?
- ✓ Do you know what **Design Pattern** is?
- ✓ Are you sure the software you write has no **security holes**?
- ✓ Are you sure that you know and master **modern debugging** tools?
- ✓ Do you know how to design (effectively) a **database schema**?
- ✓ What is the secret to writing an efficient **SQL** query?
- ✓ What is database **performance tuning**, why is it perceived as magic and how to tame it?
- ✓ Do you know how to read an **execution plan**?
- ✓ How does **Google** News work?
- ✓ Do you know, in practice how to expose your application as a **Web Service**?
- ✓ Are you sure your Web Services are **secure**?

- ▶ **Data Management and Data Bases**
- ▶ **Advanced Software Development and Engineering**
- ▶ **Web Services in Distributed Computing**

- a novel idea prototyped in 2005
- a three-day series of lectures proposed and delivered by selected students
- advanced topics, rarely taught at CERN before

<http://cern.ch/csc>

Lecturers - all former CSC2004 students

Paolo Adragna University of Siena

Miguel Anjo CERN

Ioannis Baltopoulos Imperial College

Gerhard Brandt University of Heidelberg

Giovanni Chierico CERN

Brice Copy CERN,

Michal Kwiatek CERN

Ruben Leivas Ledo CERN

Sebastian Lopienski CERN

Petr Olmer CERN

Zornitsa Zaharieva CERN

* IT Amphitheatre, building 31
Free attendance but registration recommended