- ✓ *Universal Modelling Language:* what is it?
- ✓ What are the ten **best practices** OO-developers should know?

- ✓ *Design Pattern:* reusable snippets and not reusable libraries! What does it mean?
- ✓ *Anti-patterns:* the opposite of design patterns! What does it mean?
- ✓ How to make your **web app** run 50% faster?
- ✓ What is **Git**? What difference with CVS and SVN?
- ✓ *Local* vs. *centralized* vs. *distributed* code version control: Advantages and Drawbacks?
- ✓ Can I manage my source code **without network** access (like in a plane)?
- ✓ Can we **visualise** data in more than **2D** or **3D**?
- ✓ Data **visualisation** and data **mining**: Can they be tied in?
- ✓ Do you know how to monitor **dozens of devices** with **SNMP**?
- ✓ *Logs* in software: Willing to see **real-world** examples of good and bad practices?
- ✓ Linux Kernel: Can **Systemtap** help me finding out what my machine is doing?

All the answers at **iCSC**

4th iCSC

CERN School of Computing

inverted CSC-2010

"Where students turn into teachers"

8-9 March 2008, CERN*

▶ **UML for developers**

▶ **OO Design patterns / Anti-patterns**

▶ **Make your web application run faster**

▶ **Git***: make more efficient managing your code*

▶ **Advances in multivariate visualisation**

▶ **SNMP for monitoring devices**

▶ **Logs in software:** *How to record the what, the when and the who*

▶ **Systemtap -** *Tapping the Linux Kernel to Find out What Your Machine is Really Doing*

Advanced topics, rarely taught at CERN before

http://cern.ch/csc

Lecturers All former CSC2009 students	
David Horat	CERN, Geneva
Tim München	Wuppertal University - Germany
Luis F. Munoz Mejias	CERN, Geneva
Malte Nuhn	Aachen University - Germany
Benjamin Radburn Smith	Rutherford Appleton Laboratory, Didcot – U.K.
David G. Svantesson	CERN, Geneva
Uwe Westerhoff	Institut für Kernphysik, Münster – Germany

*   IT Amphitheatre, building 31
Free attendance but registration recommended