

- ✓ **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?

4th **iCSC** CERN School of Computing

inverted CSC-2010
"Where students turn into teachers"

8-9 March 2010, CERN*

All the answers at **iCSC-2010**

- ▶ **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**

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

Advanced topics, rarely taught at CERN before

<http://cern.ch/csc>

* IT Amphitheatre, building 31
Free attendance but registration recommended