✓ Clouds: what do I **gain**, what do I **lose**?

✓ Is there **standards** for cloud interfaces?

✓ What are the different models for **cloud** computing?

✓ Can server virtualization **save power**?

✓ **Server crash recovery**: Can virtualization help?

✓ How to go above hardware **physical limits**?

✓ Are modern encryption systems **really secure**?

✓ What lessons after **2000 years** of encryption?

✓ Ever wondered how **asymmetric ciphers** work?

✓ **Code refactoring** burden: is it worth it?

✓ Why does **pair programming** may help?

✓ **Test-driven development**: A realistic idea?

✓ Is my **quality assurance** process sufficient?

✓ What are the approaches to **collect** metrics?

✓ How to classify **standards** for metrics?

All the answers at **iCSC**

5th iCSC

CERN
School of Computing

inverted CSC-2011
"Where students turn into teachers"

3-4 March 2011, CERN*

► **Virtualization:**
what it is, how it works

► **Server Virtualization**
at work

► **Unweaving Clouds:**
Principles and Practice

► **Cryptography:**
from Caesar to
Public-Key

► **Modern Software**
Engineering meets HEP

► **Metrics for Software**
Assurance Process

Lecturers
All former CSC2011 students

Nicola Chiapolini	Universität Zürich
Luigi Gallerani	CERN
Carlos Garcia Fernandez	CERN
Belmiro Moreira	CERN
Andres Abad Rodriguez	CERN
Frank Volkmer	Bergische Universität Wuppertal

*   IT Amphitheatre, building 31
Free attendance but registration recommended