Welcome ...

iCSC

Inverted CERN School of Computing, 24-25 February 2014
iCSC

"Where students turn into teachers"

Involving former CSC participants to deliver advanced education
The CERN School of Computing

- Aims at creating a common culture in scientific computing among young scientists and engineers involved in particle physics or other sciences, as a strategic direction to favor mobility and to facilitate the development of large computing-oriented transnational projects.
  - [http://cern.ch/csc](http://cern.ch/csc)

- Participants come from worldwide laboratories and universities with typically of 15 to 30 different nationalities (60 different nationalities over the past 10 years).
  - [http://cern.ch/csc/alumni](http://cern.ch/csc/alumni)
Why an inverted CSC? 

- At regular CSCs, the sum of the knowledge of the students often exceeds the one of lecturer teaching, and that it is frequent to find in the room real experts on particular topics. This is the idea behind iCSC.

Reversing the roles

CSC n → iCSC n → CSC n+1
It is the 6th edition in 9 years …
The inverted CSC

- At the end of each main school, we call students present to make proposals. When we receive sufficient proposals of appropriate quality, we organize an inverted school.

- The students combine their skills and elaborate on CSC related subjects.
Lecturers at the iCSC

- 42 lectures so far ... and 5 this year

- 3 former iCSC lecturers have become lecturers at the main school
This year programme

- **Topics**
  - LAN Programming, building distributed systems
  - Web API
  - A journey from quark to jet
  - Read-Out Electronics: where data come from
  - Machine learning and data mining

- **Speakers from CSC 2013, Nicosia**
  - Francesco, Jonas, Josef, Juan Lopez, and Tyler
selection process for lectures

- Discussion at the main school, lightning talks
- Proposal after the main school
- Review by the CSC Advisory committee
- Lecture preparation and development with mentors
  - (2 mentors for each lecturer)
- Presentation at the school
This year’s mentors

- Francois Fluckiger and Sebastian Lopienski
  - for Jonas Kunze

- Ivica Puljak and Are Strandlie
  - for Tyler Mc Millan

- Pere Mato Vila and Alberto Pace
  - for Francesco Messi

- Lorenzo Moneta and Andrzej Nowak
  - for Juan Lopez Gonzalez

- Sebastian Lopienski and Giuseppe Lo Presti
  - for Joseph Hammer
Booklet

- A printed booklet is available to all registered participants
- Few extra copies are available
The next event

- The CSC 2014
- Braga, Portugal
- Registration will open next week

http://cern.ch/csc