Dear Colleagues,

The 5th International School of Trigger and Data Acquisition (ISOTDAQ) is dedicated to introduce MSc and PhD students to the arts and crafts of triggering and acquiring data in physics experiments. The school will be held from 28th January to 5th February 2014 in the Wigner Datacenter, Budapest, Hungary – the 'second heart' of the Worldwide LHC Computing Grid.

The school provides an up-to-date overview of the basic instruments and methodologies used in High Energy Physics (HEP), spanning from small systems in labs to the gigantic LHC experiments. The program of the school encompasses the main building blocks of TDAQ systems as well as specific solutions and architectural considerations at the sub-system level.

The main topics of the school include the basics of Data Acquisition (DAQ) programming concepts (e.g. threaded programming, data storage, networking, IO programming, FPGA programming), hardware bus system (VMEbus, PCI), Trigger Logic and Hardware (NIM). PC based readout systems and trigger designs will also be covered together with reviews of modern TDAQ systems from LHC and fixed target experiments.

TDAQ experts from CERN, other research institutes and industry will provide a comprehensive program of lectures that is complemented by 26 hours of practical exercises in small groups.

Please, forward this invitation to students of the physics, engineering and IT faculties at your university. All information and registration can be found at our website:

> http://isotdaq2014.wigner.mta.hu
> http://isotdaq.web.cern.ch

Application deadline is 1st November 2013