

CSC2014 PARTICIPANTS

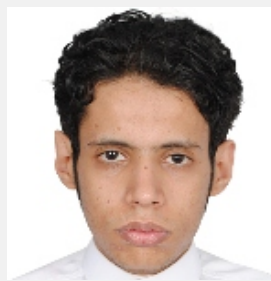
AHN Sang Un



Korea Institute of Science and Technology Information - Korea

I am a senior researcher at Korea Institute of Science and Technology Information (KISTI) which is a national laboratory specialized to Information Technology. I completed my PhD in physics working in Muon project in ALICE experiment. During my Master's and PhD's course, I developed a dashboard for the shifters showing the status of data acquisition from Muon detector by decoding raw signals on the fly. After the PhD, I joined a department at KISTI establishing a new Tier-1 for the first time in WLCG as a grid site administrator and a contact person to ALICE community. I am familiar with C/C++ and Bash and my current interest is puppet and virtualization.

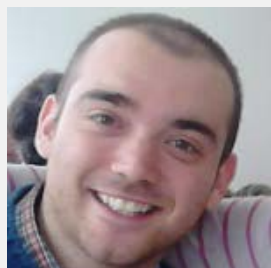
ALATAWI Mansour Salman



University of Tabuk - Saudi Arabia

My name is Mansour Salman Altawi and I was born in the city of Tabuk in Saudi Arabia. I graduated on June 2013, as Bachelor of Science holder, at the University of Tabuk. I will start soon a master program at the Max Planck institute of Physics (MPP) at Munich, Germany, majoring in particle physics. I am now involved in the particle physics group, at the University of Tabuk, active at Belle and Belle II experiments, KEK center, Japan. My main tasks were to test Silicon PhotoMultipliers (SiPMs) for the Large Angle Beamstrahlung Monitor (LABM) to be installed soon at the SuperKEKB accelerator at KEK. I am planning now to be involved in the Belle II PiXel Detector (PXD) that will be my main topic for my master research project and also for my PhD at MPP.

ANDERLINI Lucio



INFN e Università, Firenze - Italy

I am a Ph.D. student in Physics at the University of Florence, Italy. As a member of the LHCb Collaboration I devoted most of my time to data analysis, with contributions in the characterization of the Bc meson. I spent one year at CERN where I played the role of interface between the computing production group and the b-physics analysis working group. Being a geek, I am used to push new computing technologies and ideas into our analysis code. I am an experienced C/C++ and python developer, and I am familiar with multi-core heterogeneous architectures. Recently, I have started playing with web technologies (JavaScript, PHP, CGI) to develop simple user interfaces for monitoring and validation tasks.

APARICIO COTARELO Borja

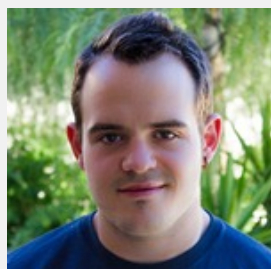


CERN, Geneva - Switzerland

After completing my Computer Sciences studies in Spain and have been working for a year there other than a few internships, I came to CERN as a Technical Student where I joined the IT-DB group, Infrastructure and Middleware section. There I get involved in the maintenance and evolution of the CERN IT-DB services management system. This system consolidates the services related information into an extensible LDAP directory with the associated applications and management tools and integrates disparate information sources used to configure middleware, web server and database services. Also the integration of the system in the Agile Infrastructure framework, based on Puppet, was a key achievement. Nowadays I am part of IT-PES group, Infrastructure Services section, where I joined the Version Control and Issue Tracking Systems team. Our main task is provide the CERN community with the SVN and GIT based services for version control of source code and Atlassian JIRA and a set of services part of the Atlassian stack for issue tracking.

More recently, I am highly involved in the design and implementation of a new version control and code review service based on GitLab CE.

ARAQUE ESPINOSA Juan Pedro



LIP-Minho, Braga - Portugal

I did my Physics degree and master in advance method and techniques for physics in Universidad de Granada (Spain). I moved to Braga (Portugal) to start my PhD as part of LIP. My PhD work is focused on search of new heavy quarks with vector-like nature using data collected by the ATLAS experiment.

I have always loved everything related with computing and technology and I was first introduced to programming when I was 13. Since then I have tried to learn everything that I could, a hobby that came very handy given that as a particle physicist computing is a big part of the job.

BANERJEE Dipanwitha**ETH, Zurich - Switzerland**

I am currently working in ETH,Zurich as a PhD student in the Gbar project. My work includes designing and testing the tracker for anti-hydrogen free fall measurement. Simulations were carried in Geant4 to estimate the resolution and geometry of the tracker given the mechanical constraints. Given the resolution requirements X-Y Microstrip Micromegas modules have been decided to be used for tracking. I have already tested a prototype at the test bench we built at ETH Zürich.

I did my Masters in Physics from University of Sussex, Brighton, UK before this and my Master's thesis was on dynamic shielding in the nEDM experiment. I tested a superconducting shield made of solenoid and lead against varying magnetic fields.

BANNOURA Arwa**Bergische Universität Wuppertal - Germany**

I am currently a PhD student working with the experimental particle physics group at the University of Wuppertal in Germany. I am doing physics analysis with the ATLAS experiment at CERN. After finishing my Bachelor studies in Physics from Birzeit University in Palestine, I participated at CERN summer school in 2008. For my graduate studies, I joined the master program "Computer Simulation in Science" at the University of Wuppertal. From my studies, I am familiar with C, C++, JAVA, ROOT, Python, OpenMPI.

BJELOGRLIC Sandro**NIKHEF Utrecht University - Netherlands**

After completing my BSc and MSc studies in Trieste, Italy, I moved to the Netherlands and started my PhD at the Utrecht University.

Since then I am a member of the ALICE collaboration and the focus of my project is on the production of heavy flavour (D) mesons within jets. This study can provide deep information on the interaction of heavy quarks with the Quark Gluon Plasma, which is believed to be formed in heavy-ion collisions.

On a daily basis I use C/C++ and (Ali) Root and I am somewhat familiar with Mathematica and Fortran.

Besides work, I have many hobbies, and in particular I enjoy volleyball, cycling and photography.

BRONDOLIN Erica**HEPHY, Vienna - Austria**

Erica Brondolin was born in 1989 in Gallarate, a town near Milan, Italy. Physics and foreign languages have always been her main interests. After having completed her secondary school education with a diploma in Segretaria di Azienda Corrispondente Lingue Estere, she has joined the physics courses at the University of Milano-Bicocca in 2008. For her bachelor thesis in 2011, she has chosen to work on the estimation of electrons and positrons acceptance, within the AMS-02 experiment. Since she has really enjoyed that experience, she has continued her studies in particle physics. In 2013, when all the world was paying attention to the discovery of the Higgs boson, she has join the CMS collaboration for her Master Thesis giving an important contribution to the analysis of the Higgs decay into two photons. In 2014, she has started her PhD Thesis in the High Energy Physics Institute in Vienna.

CHAO Cheng-Hsi**Academia Sinica Grid Computing Centre, Taipei - Taiwan**

I graduated from National Taiwan University with a bachelor's degree in Physics and work as a Software & System Engineer at Academia Sinica Grid Computing Centre in Taiwan on software deployment automation and distributed data management of our storage systems.

Currently I am at CERN on collaboration with the ATLAS Rucio team of ATLAS PH-ADP-CO Department with the aim of using Rucio to support AMS jobs, optimize data integrity and also the integration of Rucio with object storage support on Ceph.

I am acquainted with UNIX & LINUX systems and Python, with understanding and experience with C++.

CROFT Vincent Alexander**NIKHEF / RU-Nijmegen - Netherlands**

I completed my bachelor studies at the Niels Bohr institute in Copenhagen working with TauTriggers in the ATLAS experiment. I then travelled to DESY in Hamburg to again work with mySQL information management for the ATLAS trigger system. I next returned to London to complete the 7+2 month UK masters with a thesis on Multivariate Analysis for particle searches. I supplemented my studies with dedicated masters in particle physics with Ecole Polytechnique in Paris with a thesis on Bayesian clustering at the ILC. I developed novel combinatoric algorithms for searches for exotic physics with CMS at CERN in Geneva before starting a PhD on Higgs physics with the ATLAS experiment in the Netherlands. In the last two years I have worked on MVA for $H \rightarrow WW$, embedding corrections for $H \rightarrow WW$, fast calorimeter simulation for taus, tau substructure resolution, Data reduction and processing for $H \rightarrow \tau\tau$.

DENIS Marek**CERN, Geneva - Switzerland**

I am a software engineer working on a joint project along with Rackspace. As a daily job I am contributing to the OpenStack project, focusing on Identity Federation. So far first of two identified usecases has been implemented in the newest OpenStack release - IceHouse, whereas second one is a work in progress. I graduated from Warsaw University of Technology. Before my work at CERN I had a chance to successfully participate in the Google Summer of Code programme as well as worked for telecommunications company on VoIP platforms.

DI MARIA Riccardo**Alma Mater Studiorum, University of Bologna - Italy**

I am a student attending the Master of Physics Program, specializing in Particle Physics, at Alma Mater Studiorum, University of Bologna. In March of 2013, I obtained my Bachelor Degree in Physics, with a thesis on the Hawking Radiation and the Tunnel Effect. This was also a direct result of collaboration with the Theoretical Group of Bologna. Furthermore, since I am in collaboration with the CMS Group of Bologna, the topics of my Master Degree refers to Grid/Cloud Computing and LHC Run-II upgrades in relation to High Energy Physics. I am working within the "Dynamic Resource Provisioning" project of the CMS Computing team; in particular, I am developing techniques for the integration of cloud resources into the overall CMS computing infrastructure, and their proficient utilization to serve the needs of the CMS workflows.

FERNANDEZ ALVAREZ Luis**CERN, Geneva - Switzerland**

Graduated in Computer Engineering from University of Oviedo, I started my career as research engineer in the Project Engineering Area of the University of Oviedo. Since September 2012, I have been working as a Fellow at CERN in the Cloud Infrastructure team, responsible of the OpenStack service. I've been responsible of the deployment and development of Windows hypervisors in the OpenStack environment. This involves working with upstream teams, helping in growing the infrastructure, integration into the CERN Puppet infrastructure, as well as working on the continuous integration process that manages the cloud images. In the everyday work, Windows and SLC are the main operating systems I work with. I usually contribute to opensource projects using mainly Python, Ruby and Puppet.

FISCHER Max**Karlsruhe Institute of Technology - Germany**

I graduated in 2013 in physics at the Karlsruhe Institute of Technology as a member of the CMS collaboration. Centered on High Energy Physics workflows, my work combined both infrastructure development and analysis tasks. Currently, I am working on my physics PhD, with a strong focus on computing infrastructure for analysis usage. The main goal is the design of a generic extension of HEP storage hierarchies onto batch system worker nodes. Using coordinated caches to achieve data locality, high data processing rates are made available on dedicated and remote resources, regardless of storage attachment.

FRIESE Raphael Marius**Karlsruhe Institute of Technology - Germany**

I am working on the development of an integrated analysis framework that is intended to be used among several German CMS groups. This framework will be used by our group in the Higgs- \rightarrow TauTau Analysis. In my diploma thesis I worked in multivariate methods as the final discriminator, which nowadays becomes a standard approach. As it is the standard in CMS and also done in CMSSW, we use C++ for time-critical and CPU intensive tasks while we prefer to use Python (still in Version 2) anywhere else. Since July 2013 I am systems administrator of the Institute of Experimental Nuclear Physics at the KIT. Since May 2014, I am CMS Data Manager for the German Tier-1 GridKa.