CSC2010 PARTICIPANTS

Andres ABAD RODRIGUEZ

CERN, Geneva - Switzerland

When I arrived at CERN in 2007, I worked during a year in the control system group of IT in the Gas Control System for the LHC. Since September 2007, I am working for the European project ETICS. It provides a system for the configuration, building, testing and integration of software. We have a web interface and a command line client from where our users, like Glite, can manage their configurations, submit builds and tests and get their results (binaries and reports) in a repository. We have introduced recently the possibility of send multinode tests. Inside the team, I am responsible for some modules of our web application (Java/J2EE and AJAX with GWT), the webservices (AXIS) and the database (MySQL).

András AGÓCS

MTA KFKI-RMKI, Budapest - Hungary

I am currently working on my PhD in particle physics as a member of the Budapest ALICE Group. Besides working on p+p analysis I am also involved in the development of the VHMPID detector to be installed in ALICE. I am using a Linux-based environment with Root and AliRoot to simulate events and analyse LHC data.

Muhammad AHMAD

National Centre for Physics, Islamabad - Pakistan

I am working in National Centre for Physics in Islamabad and doing my PhD from Quaid-i-Azam University, Islamabad. I have visited CERN in 2008-2009 for commissioning of Endcap-RPC of CMS detector and responsible for High Voltage system of RPCs. Now I am working with Quarkonium group for measurement for Psi (2s) production cross-section at CMS. We are going to use ratio of Psi(2s) to Jpsi cross section as it reduces the dependence of our result on systematics. I have used CMSSW, PAT and ROOT for my analysis. I am familiar with C++ and Python language.

Eduardo ALVAREZ FERNANDEZ

CERN, Geneva - Switzerland

I have been working at CERN in IT-OIS Group since 2008, managing the CERN Central Search service (http:\\search.cern.ch). The aim of this project is to provide a CERN-wide search engine solution. Actually we provide search services for Cern Intranet WebPages, Phonebook and for other areas like Indico documents and CDS documents. Specific Solution was developed and integrated in CERN Twiki System to improve its search relevance for Public pages and also to allow searching in the Protected Pages (ALICE, ATLAS, CMS, LHCb, ...). Some of the technologies and programming languages I use in my work are Fast ESP, Perl, Python, ASP.NET, Javascript and C#. I also feel comfortable working with C/C++, Java and web technologies.

Rahul ARORA

GSI, Darmstadt - Germany

I am presently working as MC-PAD early stage researcher at GSI Darmstadt. I have also applied at the J.W.Goethe University of Frankfurt for my enrollment into the graduate school. I am working in the Detector Laboratory on GEM-TPC project. We are building a prototype TPC (Time Projection Chamber) detector with GEM readout for PANDA experiment at FAIR.I am basically involved in the characterization measurements of the various components. I have tested the GEM foils for leakage current, sparks etc for long term stability. I have also worked on the detector readout consists of an ASIC chip built in our lab called n-XYTER (neutron-X, Y, Time, Energy, and Readout). The preliminary results of the chip are promising. I have tested the chip with a built on silicon strip detector (50 micron) with Am140 source and results are satisfactory in terms of response and noise. Presently, I am working on the gluing of GEMs and fabrication of Field Cage for the TPC.I will now going to start the simulations on the geometry of field cage and other particular problems like Ion feedback suppression from the GEMs etc. I have worked with Linux and windows OS.I have also worked on Geant 4.9.0.

Valerica BABAN — **University of Bucharest - Romania**

I am currently working at my PhD thesis at the Faculty of Physics, University of Bucharest. My research interests are focused on developing and using simulation codes to investigate the dynamics of the relativistic nuclear collisions. I am particularly interested in scientific computing with respect of modelling and simulation. I am familiar with Linux (SL , Debian, Fedora) and Windows . I use C++, Java, FORTRAN, PHP, MySQL . Although initially I graduated the Faculty of Physics I have also a MSc in Mathematics and Computer Science. I have previously worked as Java Progammer and Cisco CNNA instructor.

Imon BANERJEE — **National Institute of Technology, Durgapur - India**

My current project work is about distributed system and e-learning. My area of interest is Distributed System and networking. Two of my paper was published in International Conference, one is -"Animesh Dutta, Shrutilipi Bhattacharjee, Imon Banerjee 'Formal Design of Teleteaching Interactivity' International Conference on Recent Trends in Information Telecommunication and Computing - ITC 2010, Kochi, Kerala, India." and the other is -"Animesh Dutta, Imon Banerjee, Shrutilipi Bhattacharya, Ranjan Dasgupta, Swapan Bhattachary, 'Framework for Domain Analysis of Teleteaching System: A Semiformal Approach', SERP'10 - 9th International Conference on Software Engineering Research and Practice, Worldcomp 2010. Las Vegas, USA.".I am familiar with Linux, Windows operating system and C, C++, JAVA, ns-2 programming language.

Zbigniew BARANOWSKI — **CERN, Geneva - Switzerland**

Currently I am openlab fellow at CERN in IT Database Group sponsored by the Oracle. My main tasks are Oracle software testing, administration of production databases for experiments, development of monitoring tools. Our databases are running on Red Hat 4 and 5 Enterprise Edition which we have to administer as well. For development at CERN I am using mainly Python, PHP and PL/SQL. During studies I developed several projects with C++,C# and Java.

Marcin BLASZCZYK — **CERN, Geneva - Switzerland**

I am an Oracle DBA at CERN IT-DB dept. providing support for physics databases. I am mainly involved in ATLAS databases support including also consultancy for database applications, performance tuning and Stream replication. Previously I worked for HP in Warsaw (Poland) for over two years. My duties/subject of interests are: Oracle databases administration on Linux/Unix platforms (Red Hat Enterprise Linux, HP-UX, Solaris), Oracle instance tuning, SQL & PL/SQL tuning, PL/SQL programming, RMAN backup and recovery, Unix scripting, SAN storage administration. Main Technologies: Oracle RDBMS, Oracle RAC, ASM, RMAN, Oracle Data Guard, Oracle Streams, Oracle Enterprise Manager, FC SAN.

Jakob BLOMER — **CERN, Geneva - Switzerland**

I work on the CernVM R&D project in PH-SFT. CernVM provides a portable environment for development and execution of LHC experiment analysis software. In particular, I develop the CernVM File System, an HTTP file system that brings software trees on demand onto virtual machines. As part of CernVM, I also deal with various aspects of virtualization, including benchmarks of HEP software in virtualized environments. As part of my thesis, I work on distributed algorithms in order to build a self-organizing network of virtual machines out of a plain cluster installation. Currently I mainly develop system software on Linux using C/C++ and a couple of scripting languages. I have working knowledge of LateX and Gnuplot.

Nicola CHIAPOLINI — **Universität Zürich - Switzerland**

I have been working for the TT sub-detector of LHCb during both my Bachelor and my Master thesis. Since January I am back with my previous group as a PhD student. At the time of this writing my work concentrates mostly on the detector alignment.

Pushpinder Kaur CHOUHAN — **RAL, Didcot – U.K.**

I am developing a trading system that provides a portal for end users to avail and utilize the computing power of Grid resources across Grid platforms, including the gLite Grid middleware and the XtreemOS Linux-based Grid OS. The availability of these resources to the users will depend on elasticity criteria of economic versus performance parameters. The objective of my work is to present a system that facilitates the commercialization of Grid resources through a Virtual Marketplace of computational resources, where a seller is capable of listing the Grid resources, and buyer can request/bid dynamically for required computing resources for their applications. Trading is performed by means of an auction mechanism. The bid queue is sorted in decreasing order of price, and the ask queue is sorted in increasing order of price. A bid/ask remains in the queue until it is allocated, removed due to its expiration time or removed by the submitted user. This model exploits the benefits of Grid computing, especially the inter-operability and scalability of Grid platforms. Interoperability is achieved by using the OGF SAGA standard on XtreemOS and gLite. OS: Windows and Linux PL: Java, C++, C

Christopher COWDEN — **University of Cambridge – U.K.**

I am currently working on physics analysis in the Atlas experimental collaboration. My studies include data driven background estimation techniques for use in searches for new physics such as supersymmetry, and separately a measurement of the top quark mass in the dileptonic decay channel of top pair events. I am familiar with working in the Linux environment both the Scientific Linux CERN distributions as well as Redhat Fedora distributions. I am comfortably familiar with the C++ programming language, and I am also quite familiar with the python scripting language. I use the bash shell environment for scripting as well.

Daniele DE RUSCHI — **CERN, Geneva - Switzerland**

I am working in the control section of the Electrical group. My first project was inherent to data integration of remotely controlled electrical data from different ACCESS databases on the field to GESMAR an application developed at CERN based on ORACLE. I am focus on design and develop a web application now; it could display historical and live power and energy consumption allowing users to easily have an overview of the current status, make data analysis and generate reports. Using the SSO infrastructure of CERN it will manage different access roles and rules. Meanwhile I share my knowledge helping the control group managing PCs for data acquisition, from the security and post mortem analysis point of view. Since April I contribute in the LCSP LHC Control Security Panel. I mainly use OS X, Windows XP and Android but thanks to virtualization I tried different Linux distributions and OpenSolaris. I usually program in Java but I have basic knowledge of C/C++ Cyclone GO.For my Bachelor thesis i used G (LabVIEW) while during a lifelong learning program in Norway I extensively used MATLAB and Mathematica.

Salvatore DI GUIDA — **CERN, Geneva - Switzerland**

I am currently working on the development and the deployment of the core software for the population of DB accounts in different RDBMS technologies with condition data coming from the CMS detector, using Object Relational Access. I am also developing tools, which, using the dropbox technology, allow the automatic population of the Condition Database. All the logs of the transactions are persistently stored, and monitored by applications that have a web GUI, thus allowing for real time monitoring, and fast detection of errors.

Rajeshkumar DUDHAT — **Sardar Vallabbhai National Institute of Technology, Surat - India**

My work is related to Detector Simulation for the LUMINOSITY MONITOR for future PANDA experiment at FAIR, GSI. Presently I am familiarizing myself with PANDAROOT. I routinely use LINUX and Windows and I am very much familiar with programming languages such as FORTRAN, C and C++ as well as with MATHEMATICA and MATLAB and also ROOT and GEANT4. I completed my M.Sc. with specialization in theoretical physics.

Johanna FLECKNER — **CERN, Geneva - Switzerland**

I am currently working on the commissioning of the ATLAS software for the reconstruction of particle tracks and the identification of b-quarks in particle jets (b-tagging). As part of this work I am studying the resolution of the track impact parameter in transverse direction, which is one of the most important inputs for b-tagging. I am developer of several C++ reconstruction algorithms and tools, and the main responsible for the production of the b-tagging performance analysis data format (a ROOT ntuple). I am familiar with Linux, Mac OS X and Windows operating systems. The largest part of my work concerns programming in C++, but I also have good knowledge of Python, Delphi, SQL and HTML.

Luigi GALLERANI — **CERN, Geneva - Switzerland**

My current work is in virtualization using the OracleVM technology, and adapting it to the CERN cluster infrastructure management system. This provides a transparent and Quattorised integrated layer of virtual Red Hat Enterprise and Scientific Linux machines for virtual IT-DB services hosting. I have an indepth knowledge in Networking and in GNU/Linux Operating Systems, which I use in the development of these virtualization solutions. Collaborating with the CERN openlab and using a multiprocessor computer, I am also studying the OracleVM performances. The aim of this task is to find the best load balancing configuration for the services that will run on the new cluster machines. I have good experience in OS scripting languages, imperative and OO-programming, in particular the C family. My MSc Thesis and previous work at the LHCb, gave me also skills in real time SCADA system programming. I have also become a CERN guide, and in learning more about the Particle Physics Experiments, have been able to help educate visitors.

Carlos GARCIA FERNANDEZ — **CERN, Geneva - Switzerland**

Coming from Spain, I studied at the University of Oviedo. Thanks to them I got the opportunity to come to CERN as a Project Associate. During this first period at CERN, I was developing and maintaining the configurations in the infrastructure of CERN network, migrating from CISCO Firewall to IPTables Firewall. As well I was giving support to FlexLM License Management system, and using CERN Fabric Management Infrastructure (http://cern.ch/quattor) to fully automate installation and maintenance of some servers, managing Linux RPM's software distribution and installation systems. One year later I got an openlab Fellowship in which I am currently working and my tasks consists in the integration of Oracle VM server within CERN infrastructure. I have been working in the integration at the host level in CERN ELFms (the large scale management system) and currently I am working in the integration at the guest level, as well as the migration of application and database servers to these virtual machines. I am familiar with Unix/Linux environments, as well as Windows. I have been working with shell, perl, scripting programming, and I like to program as well in Java and Web technologies.

Mikhail GAVRILENKO — **JINR, Dubna - Russia**

I am graduated from Moscow State University the faculty of Physic. Now I am currently doing my PhD in the University of Dubna and I am working in JINR on monitoring system for CMS. Currently I am involved in developing and maintaining the DDM (DM) system for the dCaceh SE. I am familiar with Linux (SLC, Debian), Windows, with C++, Perl, SQL, PHP languages. As hobby I am playing Ultimate frisbee.

David GONCALVES PACHECO — **CERN, Geneva - Switzerland**

I have obtained an MSc in Computer in Telematics Engineering at the University of Aveiro (Portugal). After that I started working at CERN as a trainee in the IT Department in the Physics Databases Section (DB Group). My work has consisted in developing a J2EE application to monitor the auditing information extracted from the production and development databases (Oracle) supporting the main LHC experiments (ALICE, ATLAS, CMS and LHCb). In parallel I also started to do some Oracle DBA administration work.

Alvaro GONZALEZ ALVAREZ — **CERN, Geneva - Switzerland**

My area of work is Linux servers. Specifically, the CERN central Version control systems, including the CVS service, LCGCVs service and SVN service, and the Linux license servers. My job is to keep the 4 services available, fixing the problems, improving the performance, upgrading the programs, improving the infrastructure to manage the services, ... As most of our infrastructure is done in PERL and BASH, these two languages are the ones I have more expertise on. In the same way, we use other languages as: the PAN language for the QUATTOR templates and PHP for the web interfaces. Besides I have a fair knowledge of PYTHON, JAVA and C. As they are also part of our infrastructure.

Pablo GUERRERO — **CERN, Geneva - Switzerland**

Last year I finished my Master's Thesis on Computer Science at the Zaragoza University (Spain) doing an internship as Technical Student at CERN. I worked developing an automatic solution for the RPM generation process for different Oracle products, written in object oriented Perl. After that, I worked for 3 months for Warp, a consulting company working with Open Source platforms, implementing new features for web applications written in Python and Ruby. In August 2009, I came back to work at CERN as Fellow in IT-GT, working for gLite, a Grid middleware used for the LHC Computing Grid. I am a member of the gLite integration team, performing the tasks needed to release new versions of the middleware. I also have to participate in the modification of the integration process and implement the changes in the software used in the process.

Line GUNTHER — **CERN, Geneva - Switzerland**

I work in the IT Department at CERN. My group is Platform and Engineering Services (PES) and my section is Engineering Services (ES). I am working as system administrator for CAD/CAE (Computer Aided Design/Computer Aided Engineering) tools at CERN. Tools like CATIA, SmarTeam, AutoCad and Inventor. This includes: Administration of the computer infrastructure on witch these tools are running. Manage user data backup and archiving. Create system and CERN specific documentation for the installation procedures, the system monitoring and the operation maintenance. I am working mostly on Windows and I am familiar with Visual Basic, HTML and SQL.

John HEFFERMAN — **CERN, Geneva - Switzerland**

Kerberos Realm Consolidation: Carried out an investigation to determine how CERN¿s two Kerberos realms could be unified, and am working with the staff concerned to develop the plan and software necessary to bring about a single Kerberos Realm at CERN. The investigation began with a feasibility study covering the various solutions, involving tests to determine which options were viable and how they might provide an authentication service to AFS and LSF Batch, in the event that the realms were consolidated. Currently in the process of implementing the proposed consolidation plan, which is scheduled to be completed later this year, or early next year. I am also doing some studies related to the AFS file system, which I will be helping to administer in the future.

John KELLY — **SFTC, Didcot – U.K.**

I currently work for the tier1 at Rutherford Appleton Laboratory helping to run the tier1 infrastructure and supporting the LHC experiments. My background is a systems administrator in an ISP environment. I find the tier1 to be a very different and challenging environment. An ISP environment generally uses standard software eg apache, exim, mysql and bind. Most software is written in C and administration scripts are often written in Perl. Practically all production systems were Linux and Solaris. I find the tier1 to be very different and I feel that the CSC would give me a greater insight into how the WLCG works.

Kim Siang KHAW — **University of Tokyo - Japan**

I am now working for the LHC-ATLAS experiment, especially on the reconstruction and identification of hadronic taujet. At the same time, I am also studying the discovery potential of SM, MSSM and NMSSM Higgs with taujet final states. I have been using Windows (XP, Vista) and Linux(SLC4, SLC5, Ubuntu) for operating systems, mostly C, C++ and python for programming languages.

Vlad LAPADATESCU — **CERN, Geneva - Switzerland**

I am a fellow, currently working within CERN's openlab on a research project in collaboration with HP Procurve, which aims to improve the Wi-Fi network deployment and operation in large campus environments. As research on optimal deployment and operation of big-scale installations is still in its infancy, the team that I am a part of will carry out a research activity and provide new algorithms, guidelines and solutions that will support the deployment and operation of the Wi-Fi infrastructure at CERN. Results of the research could then possibly be incorporated into HP ProCurve hardware and software to provide even more robust and efficient networking solutions.

Petri LEHTONEN — **CERN, Geneva - Switzerland**

Currently I am working at CMS Computing at CERN. My work is focusing in software used on Tier-0 level. Testing, validation and debugging of Tier-0 software and its compliance with CMS software and other systems are my main duties. Along with previous, I implement statistics and monitoring software to follow the usage of resources and to monitor data processing flow in our software. I am familiar with most common operating systems and around 10 different programming languages. At work I currently use scientific Linux and python. What I am looking from the school is knowledge of physics computing and accelerator technologies in overall."

Stefano LONGO — **INFN, Legnaro - Italy**

My collaboration with the AURIGA group (http://www.auriga.lnl.infn.it) has started during my thesis, when I worked on the development of the experiment acquisition system (multi-process OOP C++ application run by Linux systems interfaced with various HW front-ends like VXI digitalization devices, GPS timing sources, etc.) I was then involved in the development of the local computational center and in the development of some analysis software. The former is a small Linux based computational center that supply all the services needed by the AURIGA collaboration: user management (NIS for Linux and samba domain for windows users), storage (some tens of TB from various NFS for experimental and user data), a small cluster used for data analysis (80-90 computational nodes), DBMS, web server, tape backup and replication services, etc. In that last 1.5 years I worked for the RareNoise collaboration too (http://www.rarenoise.lnl.infn.it), mainly on the thermal design of the experimental apparatus and the acquisition/control software (multi-threaded windows applications written in C#). At present I still work for both collaborations.

Alexander LOTH — **CERN, Geneva - Switzerland**

In August 2009 I graduated in Business Information Systems participating to the CERN Technical Studentship programme. I was working on analysis and optimization of the performance and scalability of the conditions database. From June 2010 I am PhD student in IT/ES group at CERN working on caching technologies for the detector conditions data of several experiments. The practical work of this project is expected to lead to several deliverables that are relevant to the LHC experiments in the context of the Persistency Framework project.

Jelena LUETIC — **Faculty of Electrical - Mechanical Engineering and Naval Architecture, Split - Croatia**

I am currently writing my master's thesis in CMS collaboration, with a group working on electron reconstruction. My topic is measurement of cross section for production of Z boson in proton collisions. This requires the knowledge of both C++ and ROOT. During my studies I also took three programming courses two in C and one in Fortran where we did many of the commonly used numerical methods. I am also familiar with Windows and Unix operating systems. Last summer, when I was CERN summer student, I did some programming in Labview. I am also familiar with Mathematica and LaTex.

Wolfgang LUKAS — **CERN, Geneva - Switzerland**

I am working for the Fast Track Simulation (FATRAS) group on the material description and material interactions validation of the ATLAS detector. FATRAS provides a fast alternative to the full Geant4 simulation. It is calibrated with Geant4 simulation data and will be validated with real data from the ATLAS experiment. An overall aim of my work is to achieve a fast tuning and calibration cycle for FATRAS and to provide profound feedback of material calibration information to the full MC simulation project. Later during my thesis I will participate in a MC data intensive analysis that is highly sensitive to the material budget, such as the W mass measurement. I am familiar with the operating systems Mac OS X, Linux and Windows XP, and programming languages such as C++, Python and MATLAB. I am also familiar with Athena, ROOT and Geant4 which I am using for my work.

Ludmila MARIAN — **CERN, Geneva - Switzerland**

I have been graduated in 2009 with a MSc degree in Computer Science from EPFL, Switzerland. Initially, I came to CERN to work on my Master Project in the CERN Document Server Team. After finishing my studies I returned as a fellow in the same group. I am involved in developing and maintaining software for CDS Invenio, the integrated digital library developed and used at CERN. My main interests are information retrieval and data mining, and my tasks include search engine optimizations, search results clustering, ranking and sorting. For the ranking of scientific publications, I have developed several new methods based on the citation graph. I have hands-on experience with C/C++, Java, Python, SQL, parallel programming (OpenMP, SR, MPI). I am familiar with the Unix/Linux and Windows operating systems.

Pablo MARTINEZ PEDREIRA — **CERN, Geneva - Switzerland**

I worked as Oracle DBA with the most important databases at CERN, such as the accelerators ones (LHC, ATLAS, etc.) also as a member of the Oracle Support group, solving users' problems. I developed several database monitoring systems (for the storage, growth predictions, backups, etc). I worked with the NetApp storage systems (NAS), like recovering data with snapshots.

Almudena MONTIEL — **GSI, Darmstadt - Germany**

I studied BSc Computing Engineer at the University of Seville, Spain. I got my MSc in Grid Computing and e-Engineering at Cranfield University, Bedfordshire, UK, in 2008. After my studies, I have been working in small projects related to Databases, Data Mining and Web development. I am currently working as a research member for the Spanish Ministry of Innovation. My project is located in GSI Darmstadt, Germany. I work developing for AliEn. AliEn is a Grid middleware tool developed as single entry point to the Grid for ALICE experiment at CERN. This middleware is going to be adapted for the new facility at GSI-FAIR, Germany. Currently this middleware is integrated only with MySQL RDBMS. My goal is to develop an interface for this middleware to be open to any RDBMS, specifically Oracle RDBMS. As an intern at GSI, I also have the chance to keep learning. I just attended the International Winter School for Grid Computing 2010, where the following technologies were taught: Condor, UNICORE, Globus and gLite. Operating Systems: Linux, Unix, MacOSx, Windows. Programming Languages: Java, C++, C, Perl.

Moritz NADLER — **Institut für Hochenergiephysik, Vienna - Austria**

I am working on the material estimation for the currently planned Belle II detector at KEK in Japan. As part of this work I am testing at the moment with Kalman filter algorithms if the information provided by the planned 6 layer tracker and planned CDC of Belle II is good enough to provide a correct estimation of the thickness of the detector layers. This testing is done with self written Matlab programs. The final results will be implemented with the future Belle II Framwork written in C++. OSs I use and work with: Linux and Windows Languages I currently with: Matlab and C++ Languages I have worked with or learned at university: Java, Python and Fortran 90

Carlos OLIVEIRA — **University of Aveiro - Portugal**

My present work is on simulation and optimization of micro pattern gaseous detectors like GEM, MHSP, MicroMegas, etc. Some of them are already implemented on some LHC experiments and others can be part of future upgrades. At this moment I am involved in the development of a noble gases electroluminescence simulation toolkit based on GARFIELD and Magboltz programs (developed at CERN - contact person Rob Veenhof). I work in Linux (Ubuntu and Scientific Linux) and also have knowledge of Windows (XP, Vista and 7). I do computer programming with python, Fortran, BASH, MatLab, C and C++ languages.

Massimo PALADIN — **CERN, Geneva - Switzerland**

I graduated from the University of Udine with a bachelor's degree in Computer Science. I am studying towards a master's degree in Computer Science at Udine, and I am presently working on my final thesis as a Technical Student at CERN in the IT Department. During summer 2009 I have been working as an openlab Summer Student at CERN in IT/GS/DMA. I have been working on HammerCloud, a stress-testing system to commission grid sites for distributed analysis activities.

I am presently working in CERN IT department, Grid Technology group, "Tools for Operations, Monitoring" section. The main area of my work is development of the WLCG monitoring infrastructures that relies on ActiveMQ, an Enterprise Messaging System. In particular I have developed a system, based on Nagios, to monitor WLCG monitoring and messaging infrastructure and react in case of anomalies. I am also doing research in the area of application flow monitoring to observe the information flows between the components in the system in order to detect abnormal behaviors at higher levels.

Alexander PRISTAVKA — **Institute of Physics and Technology, Kharkov - Ukraine**

After graduating in 2008 V.N.Karazin Kharkov National University (School of Computer Science), majoring in managing information systems and technology, I began working in the National Science Centre "Kharkov Institute of Physics and Technology" (NSC KIPT). So I became acquainted with GRID. Scientific activity of our group is primarily concerned with computations within the CMS (CERN) experimental program. My task is to deploy and configure the necessary Grid middleware. In addition, I am involved in system administering of KIPT WLCG T-2 site, in particular, the group runs the CMS T2 site, T2_UA_KIPT and prepares for the CMS data analysis. Currently I am working on the configuration and upgrade Storage Element. I have administration experience in Linux Operating System (SLC3 - SLC5, Red Hat, Fedora, Mandriva, OpenSuse), and Windows (98, 2000, XP, Windows Server 2008). Familiar with programming languages such as Pascal, Delphi, PHP, MySQL, JavaScript and Bash.

Alberto RESCO PEREZ — **CERN, Geneva - Switzerland**

I am graduated in Computer Science from University of Deusto in Bilbao (Spain) in 2007. Before coming to CERN I worked in CESGA, an Spanish Supercomputing Center and I started my PhD in Computing in University of Santiago de Compostela(Spain). I am working in CERN since October 2009 in IT-GT group for the European project ETICS. It provides a system for the configuration, building, testing and integration of software. It has a web interface and a command line client from where users can manage their configurations, submit builds and tests and get their results (binaries and reports). Recently has been introduced the possibility of send multinode tests. Inside it, I am the responsible the infrastructure of ETICS in the fields of deployment the service, virtualization, maintenance and monitoring. I also will work in develop deployment modules for the multi-node testing in ETICS. I mostly work with Python and bash but I am also familiar with C&C++ and Java.

Belmiro Danniel RODRIGUES MOREIRA — **CERN, Geneva - Switzerland**

I finished in 2004 a BSc degree in Mathematics lectured at UTAD – Portugal, and in 2009 a MSc degree in Informatics and Computer Engineering lectured at FEUP – Portugal. Currently I'm working at CERN in the IT-PES group in two different virtualization projects that covers the two big use cases which have been identified at CERN: the service consolidation project and the batch virtualization project. The first project aims to achieve the traditional benefits of service consolidation like: decoupling hardware and system image lifetime, reduced power requirements, maintenance reasons, etc. With the batch virtualization project the main objectives are: dynamic change of worker node types dependent on requirements; customization of images for specific use cases, possibility to mix virtual and real resources, etc. Also, I am involved in the evaluation of the Infrastructure Sharing Facility (ISF) tool from Platform Computing in order to make better use of virtual and physical resources within the computer centre. This could be one solution to manage the CERN internal cloud, which spans both Linux and Windows systems and covers a very diverse range of workloads.

Juan José RODRIGUEZ VÁZQUEZ — **CIEMAT, Madrid - Spain**

I am currently working as a system administrator at CIEMAT (Madrid, Spain). Due to the involvement of my institute in the LCG project (as a tier-2), my main task is the administration of our cluster for this purpose. Additionally, I also support all the user equipments of our department. I have worked with GNU/Linux and Windows mainly, but I have some knowledge of OS X too. The programming languages I use more are C/C++, Java and shell scripting.

Seyed Sajjad SAHBAEI RAZAVI — **Lund University - Sweden**

I am doing my Master's thesis in ALICE experiment at LHC. I am analyzing transverse momentum spectra for different multiplicity classes using real data through ROOT and AliRoot. Comparing the data with the results from Monte Carlo event generators such as PYTHIA is also an integral part of my work. I can program in Quick Basic, Turbo Pascal, C/C++. I have used Linux and MS Windows as operating systems.

Kamran SOOMRO — **University of the West of England, Bristol – U.K.**

I am working with Prof Richard McClatchey as a PhD student. My PhD work is related to analyzing provenance information to improve workflow design using data mining techniques. I am also working on an EU project called neuGRID; aimed at providing a neuroimaging analysis infrastructure to the medical domain. My specific area of work is related to developing infrastructure services for accessing grid resources and provenance collection and storage. I am familiar with Java, Python, PHP and C++. I am also familiar with Windows, Linux and Mac operating systems.

Maren UGLAND — **University of Bergen - Norway**

For my PhD studies, I am studying the branching fraction Bs->mu+mu- with data from the ATLAS experiment at CERN. In the standard model this decay is not possible at tree-level, and it is therefore very sensitive to contributions from new physics. The goal is to improve the current limit for the branching fraction set by the CDF experiment (short term), and once we have enough data, perform the measurement. The code for my analysis is written mostly in C++ (and a little python), but in the past I have also had some experience using Java. I am familiar with Windows and Linux.

Frank VOLKMER — **Bergische Universität Wuppertal- Germany**

In the last months I gradually took responsibility for maintaining the ATLAS Production System Dashboard which monitors all ATLAS tasks, where they are executed, how much cpu time they use end whether they are successful or not. The ProdSys Dashboard uses the Dashboard Web Framework, which was written in Python and developed at CERN. The dashboard runs on an Apache + mod_python system at CERN. This work includes the fixing of bugs and solving problems as they arise, as well as maintaining the dashboard and carrying its technology into the next decade. We, the dashboard team, started working on a new system that will use newer, more dynamic web technologies. This will help to generate new content for the dashboards more easily. From my previous work in the private sector and at university I acquired programming skills in C, C++, Guile and Java on all relevant operating systems, including Windows XP, Mac OS X 10.5, Ubuntu and CentOS.

Henning WEILER — **CERN, Geneva - Switzerland**

My current work focuses on the development of an intelligent module for a new publication platform in high-energy physics named INSPIRE. The module serves the purpose of solving author ambiguity--meaning the attribution of scientific artifacts (documents, preprints, articles, data, etc.) to their real creators. The disambiguation is done by using several metrics for a pair-wise comparison of potentially equal author entities within a pre-clustered block of authors. The module and the algorithm are developed in Python which uses a MySQL back-end for data storage and resides in the open source framework of the Invenio software platform developed at CERN. In general, my studies in Computer Science thought me the fundamental structures and paradigms of programming and problem solving which are applicable on a variety of programming languages. With Mac OS X and Linux (preferably a Debian) as my primary operating systems, I do not fear the use of Windows since I am a M$ Certified Professional for handling both Windows XP and 2kServer.

Tomasz WOLAK — **CERN, Geneva - Switzerland**

Since September 2009 I am working as fellow at CERN in IT/Grid Technology group, in section responsible for certification, testing and releases of the gLite middleware (grid middleware used in LCG), and the ETICS system development (used for building and testing gLite). I am working mainly as a sysadmin - I manage CERN certification testbed running a number of GRID services (SEs, CEs, WNs, WMS, DPM,...). Currently I am also maintainer of the vNode project - system for managing Xen virtual machines, and I am responsible for group's virtualization infrastructure (based on vNode and Xen) used mainly in release process and development of gLite. I am also involved in computer security - I manage system automating firewall rules generation for machines running grid services. In the past I did some programming in C/C++, Java, Perl, SCL (Siemens PLCs), PHP, and SQL. Being a sysadmin I do also bash scripting and recently I started using Python. I use mainly GNU/Linux (since over 10 years), occasionally MacOSX, but I also used (or at least tried) other operating systems (mostly u*x-like, but I also use MS Windows if I have to ;-)

Davide ZAMBON — **CERN, Geneva - Switzerland**

As technical student at CERN I am currently working on the T0 monitoring system. I am going to base my Master Thesis in Computer Science at the University of Udine, on this work. Since my arrival to CERN, I had mostly worked on web applications over the T0 database. During my educational (technical high school and university) I learnt different programming languages: java,c,c++, pascal, scheme, haskell and some markup languages: XML,HTML. As DBMS I used mysql, postgresql and now oracle.

Jianlin ZHU — **CERN, Geneva - Switzerland**

I am a PhD student of Huazhong Normal University in China. I am working on AliEn project of ALICE experiment. AliEn is a lightweight Grid framework built around Open Source components using the combination of Web Service and distributed agent model. It is being developed by the ALICE collaboration as a production environment for the simulation, reconstruction and analysis of physics data.AliEn is written in perl. What I am doing is transferring the SOAP web services to apache (httpd) and adding secure function to the web services. The project environment is SLC5 and C ,C++,perl ,shell are the languages I am familiar.

Marcelo ZIMBRES SILVA — **Campinas State University - Brazil**

I am a Ph.D. student of Physics at Campinas State University. I am currently developing a ROOT based application to analyse data collected by the Pierre Auger observatory. The code is an implementation of the spherical wavelet transform that is being used for denoising and as a tool to look for point like cosmic ray sources and directional structures in the Pierre Auger sky. Since I began this project in 2008, I gained experience on the software development in the Unix environment (using Ubuntu privately and other Linux distributions in the Institute), that include the use of the version control system Git, GNU build system and extensive use of the C++ programming language.