

CSC2008 PARTICIPANTS

Christoph ABERLE MPI, Heidelberg - Germany



I am working at the "Max Plank Institut für Kernphysik" in Heidelberg for the Double Chooz collaboration. The goal of the reactor neutrino experiment Double Chooz is to search for the last remaining unknown neutrino mixing angle $\Theta(1,3)$ of the PMNS matrix. I am working on the optical properties of the liquid scintillator using Fortran and PAW for the analysis of my data. We need to do simulations of the light production and light transport in our detector with tools based on Geant4 and ROOT. Later on I will be part of the data analysis group of Double Chooz.

James ADAMS STFC, Didcot - United Kingdom



I work for the UK Tier1 centre at Rutherford Appleton Laboratory, trying to ensure the smooth running and quick repair of the hardware underlying all of the Grid systems we operate, debugging low level issues with operating systems, providing new services and developing tools in a wide variety of languages in order to assist other members of the team with the difficult task of operating a Tier1 centre. Over the last few months I have started to focus more heavily on systems administration work as I have started to learn more about the grid software that we run here. I started working at the RAL Tier1 roughly eighteen months ago, shortly after graduating from The University of Kent with a BSc (Hons.) in Computer Science. Looking back it is clear that I have learnt an enormous amount in this time, which I am hoping to build upon during CSC2008.

Nuno ALMEIDA LIP, Lisbon - Portugal



In the last years I had the opportunity to participate in the development of the Trigger and Data Acquisition System of the Compact Muon Solenoid (CMS) Electromagnetic Calorimeter (ECAL), which was the subject of my PhD thesis. In this context I have made important contributions in different parts of the CMS ECAL on-line software system. Currently I am working as a postdoctoral researcher in the LIP/CMS group in Lisbon, where I am involved in the analysis of the top quark under the CMS software framework (CMSSW) and in the exploitation of the Portuguese Tier-2 in collaboration with the GRID LIP team.

Metin AYDAR Graduate School of Natural And Applied Sciences, Kutahya - Turkey



I am a M.Sc. student at Dumlupinar University, Physics Department. Currently, I am studying at CERN on ATLAS Experiment Point-1 computing and TDAQ software and a user interface that will give us a useful control and information about current status about the Point 1 clients. Also, I am a good user of Fortran, C++, object oriented programming and Grid structure. I am a member of ATLAS-TR Group and we are planning and developing computer infrastructure for the ATLAS Tier 2 membership of our country. Apart from Grid, I am interested in controlling systems and related like LabVIEW, EPICS kind software.

Romain BASSET CERN, Geneva - Switzerland



I work for the data management group at CERN. My first assignment there was to develop a load testing framework for Oracle database clusters. After the implementation of this tool I've been involved in the LCG Conditions Database Project. My task is to optimize the software performance especially on the database side. Oracle databases are our main concern but MySQL and SQLite are also taken into account.

Ivan BELOTELOV

JINR, Dubna - Russia



For my PhD thesis I have been working for Hera-B experiment at DESY and CMS experiment at CERN. For Hera-B I have developed the alignment procedure for its Outer Tracker. The method used to solve the alignment problem for this detector involves minimization of nonlinear functional with extremely large number of parameters (~10e6). Since 2003 I am working for CMS experiment. I was involved in development of CMS physics program, working on simulation and reconstruction of high mass dimuon decays – this signature opens the possibility to test Standard Model prediction in new energy scale and search for effects beyond it. Testing different effects of simulation and reconstruction we need to process millions of events, these calculations done using hundreds of PCs at local farms and within GRID. Besides that I am interested in pattern recognition methods and web-technologies.

**Gerard BERNABEU
ALTAYO**

PIC, Barcelona - Spain



I am currently working as Network administrator and dCache (MSS) Manager at PIC, as member of the Spanish Tier1 team. As a computer engineer, my role at PIC focuses on data flow optimization between PIC's Storage Element and Computing Element and among LCG's sites, including Tier0 - Tier1 data acquisition over the LHCOPN. I am also working in the SRM v2.2 deployment and have experience administrating Linux, Solaris and Windows servers.

Arnau BRIA

PIC, Barcelona - Spain



I am currently working as system administrator at site PIC, as member of the Spanish Tier1 team. I am focused on GRID services like CEs, RBs, LFCs or Worker Nodes, and my main task are keeping those services up to date and running properly. I have been working with GNU/Linux services for 6 years and I have little experience with Irix, HP-UX or AIX UNIX systems.

**Sebastien
CEUTERICKX**

CERN, Geneva - Switzerland



I have studied telecommunication engineering with emphasis on micro-wave systems and networks. I am currently working at CERN in the Communication Systems group. My main task is to design the most suitable WLAN infrastructure at CERN. In order to carry out this project, I analyze current networking issues and new requirements. I also perform evaluations of the current and the coming wireless networking technologies and I am testing the related hardware and software products. Moreover for testing, monitoring, management or troubleshooting purposes, I am implementing a piece of software and I am also interested in computation of the indoor radio propagation.

Roberto CRUPI

Universita` del Salento and INFN Lecce-Italy



I am attending my PhD within the ATLAS collaboration. My activity is based on third-level (EF) Muon trigger performance studies and its implementation in online environment of Muon EF "Data Quality Monitoring". My work on muon EF reconstruct ion/identification algorithms is focused on the usual functionality test of the software and on the analysis in terms of resolution, efficiencies, background rejection and final trigger rates, both in ideal and in realistic detector and run conditions. I am working on trigger menus optimization in order to maximize at different luminosities the effectiveness of the ATLAS physics program on events involving muons. In the "Data Quality Monitoring Framework", I defined variables and implemented C++ code providing useful information to check data quality and performance of the EF algorithms in the online environment.

**Constantin Mihai
CUCIUC**

National Institute of Physics and Nuclear Engineering, Bucharest - Romania



I am in the 5th year of study at Informatics Physics, and I am currently involved in some detector calibration and readout system development and configuration. Also, I had to implement minor changes in some Athena analysis code and tweak the firmware for some home-brew hardware. In doing so, I came across C/C++, ROOT and LabVIEW, to which a few others learned in school or by myself can be added.

Marko DRAGICEVIC Austrian Academy of Sciences, Vienna - Austria



During the construction of the CMS Tracker I was involved in the quality assurance for the 25000 Silicon Strip Sensors and for the assembly of more than 6000 detector modules for the end caps of the tracker. We developed a very heterogeneous crowd of tools using languages like PHP, Perl, VBA, SQL and HTML to overlook and control the production. Today, I am already pointing my thoughts forward to a future upgrade of the CMS Tracker and new collider experiments around the International Linear Collider. Developing new sensor designs for silicon strip sensors is one of our goals. I am currently developing a versatile system to create masks for the production of silicon sensors automatically from a set of parameters. I am implementing it in a very simple C-like dialect called AMPLE used in the EDA products from Mentor Graphics.

Katarzyna DZIEDZINIEWICZ CERN, Geneva - Switzerland



I am working in the SFT group which belongs to CERN's PH department. I am involved in the research in the field of multi-core processors. It focuses on benchmarking of code performance achieved using different architectures and different programming styles. It is closely linked to the work of the CERN's Open Lab team. After the assessment. I will work on applying best techniques to the code created for the CSM experiment. Second part of my work focuses on further development of a web service for a Conditions Database of the CMS experiment. The service is written in Python and ingrates CMSSW software and the web framework used in CMS.

Dariusz GERMANAS Institute of Physics, Vilnius - Lithuania



I am working in Institute of Physics in Lithuania. I am involved in developing parallel codes for microscopic nuclear structure calculations. For that reason I am also using infrastructure of computational GRIDs - LitGrid and BalticGrid. Our codes are being written in Fortran and MPI.

Raffaele GIORDANO Universita' degli Studi di Napoli - Italy



I am a Ph.D. student at University of Naples 'Federico II'. I am currently learning digital VLSI design flow for applications to fundamental physics and I am involved in the ATLAS experiment in preparation at CERN. Within the ATLAS experiment I am working to improve the current Event Builder (EB), which is today based on a Finite State Machine (FSM). My goal is instead to base it on a soft-microprocessor (Xilinx MicroBlaze) embedded in the Read Out Driver (ROD) FPGA. This choice has several advantages; the most important is the increased flexibility, since an upgrade of the functionality of the event builder would just require a software modification instead of a hardware one. Furthermore, the software version of the EB will offer performance monitoring functions and a built-in self test. I started a feasibility analysis of the project and my results show that the hardware resources on the ROD FPGA are sufficient for the new version. The software will have to be deeply optimized in order to offer timing performance comparable to that of the FSM version of the builder.

Hugo GOMES LIP, Lisbon - Portugal



In the last years I worked with WEB applications and developing web sites and platforms for business, I specialized in Security in PHP. I am working at LIP for about 2 years and I am in charge of the LIP web site and intranet. I am now be integrated in LIP GRID TEAM. I am starting as a site administrator and user support.

**David GOMEZ
SAAVEDRA**

CERN, Geneva - Switzerland



I am a computer engineer who works at CERN for FESA (Front End Software Architecture) project. This project consists of a framework that helps users in developing software to access physical devices. This framework has a workflow which contains several steps: design the physical device, generate C++ source code from that design and provide facilities to test the source code generated. For the time being this process has been carried out with a set of tools (java, shell scripts, C++ editors ...). My work is focused on developing an Eclipse plug-in to integrate all these tools in the same IDE. The technologies I am using to build this plug-in are XML, XSD, XSLT and knowledge of Eclipse plug-in environment.

**David GONZALEZ
MALINE**

CERN, Geneva - Switzerland



I studied software engineer in Spain and the UK, finishing last year a MSc in artificial intelligence. Nowadays I work at CERN in the SFT group, helping in the development of the ROOT framework. In particular, my work is focused in the development of mathematical algorithms, paying special attention to the efficiency and accuracy of the different implementations. I also work with methods of multivariate analysis and help in the development of some parts of TMVA.

**Olivier
GUTZWILLER**

CERN, Geneva - Switzerland



I am working at CERN for the Detector Control System (DCS) of the Atlas experiment. The DCS enables equipment supervision using operator commands, reads, processes and archives the operational parameters of the detector, allows for error handling, manages the communication with external control systems, and provides a synchronization mechanism with the physics data acquisition system. I am responsible of the Common Infrastructure Control (CIC) and of the external systems (CaV, gas, electricity...). My work consists in developing and implementing software tools, based on PVSS or low-level language. I have also developed a framework to control CAN power supplies for the users of Atlas.

Ahmad HASSAN

CERN, Geneva - Switzerland



I graduated from National University of Sciences & Technology, NUST Pakistan in Aug-06. I completed bachelors in Information Technology with computer science major. Then I worked on IEPM (Internet End to End Performance Monitoring) project being conducted in collaboration with SLAC (Stanford Linear Accelerator Centre), USA. I mainly worked on Netflow monitoring. Since Oct-07, I am part of PH-CMC (CMS Computing) Group at CERN and working among design and implementation team of CMS Tier0 Production system, ProdAgent being used by CMS Experiment at CERN. The system provides facilities for large-scale Grid job submission, job tracking, job management, interface to the CMS data catalogues and data management system, and handling of large flows of logging information. My research interest focuses mainly on Grid computing and Network computing paradigms.

Hugo HUGOSSON

CERN, Geneva - Switzerland



I am currently working at CERN/IT setting up a new version control service at CERN. Currently CERN offers CVS but we (IT/SIS/DES) are implementing a subversion pilot and by the beginning of next year CERN Central SVN Service will be in production, gradually replacing the CERN Central CVS Service.

Vlastislav HYNEK

FERMILAB, Batavia – U.S.A.

Vitaliano INGLESE

CERN, Geneva - Switzerland



I am working at CERN in AT/MEI-MM on the development of a new platform for magnetic measurement. The aim of the project is to create a software framework capable of satisfying different requirements of magnet testing, by including a library to control remotely all the instrumentation involved in the tests, as well as the tools to help the user in the development of control and acquisition software for new measurement applications.

Samuele KAPLUN

CERN, Geneva - Switzerland



In 2005 I obtained my bachelor degree on theoretical computer science on the quantum computing subject. In 2007 I obtained my master degree participating to the CERN Technical Studentship programme, working in the CERN Document Server team. I am currently a CERN fellow working as a full-time developer in the CERN Document Server team on the CDS Invenio digital library. My main areas of developing are on the fulltext document handling, on authentication/authorization enhancements, on the task scheduler and on the miscellaneous libraries. I can develop in C/C++, Python, Lisp, Prolog, SQL. I am fond of almost anything that is computing related, from theories and models to software features. I sympathize for the hacking culture and the GNU/Linux world.

Matti KORTELAJNEN

Helsinki Institute of Physics - Finland



I am a first year PhD student in experimental particle physics. My work at Helsinki Institute of Physics includes Higgs analysis in the CMS experiment and code development for test beam detector studies (Helsinki Silicon Beam Telescope, SiBT). I have wide experience and knowledge from computing and programming. I use actively Linux and Mac OS X, and I've also used commercial Unices, NetBSD and Windows. My programming skills include C, C++, Java, Matlab, Perl, Python and shell scripts. I am also familiar with assembly, Scheme and SQL. I have worked in cluster and supercomputer environments, and I have also used grids (mainly Nordugrid ARC).

Anna KSYTA

CERN, Geneva - Switzerland



I am working as a technical student in the Online project in the LHCb experiment at CERN in PH department. My main tasks are improvement and development of the configuration database. The database stores parameters and settings of the electronics of the experiment. This is an Oracle database and the programming interface is based on OCI. I am programming in C++ and I am also using SQL.

Regina KWEE

CERN, Geneva - Switzerland



As a CERN doctoral student, I work on a Minimum Bias Trigger for ATLAS which I started as Diploma student with DESY and Humboldt University of Berlin. I have been designing and implementing the Inner Detector based Minimum Bias trigger and am responsible for its proper functionality and maintenance. I have hands-on experience with C++, ROOT, bash-scripting, Python and XML and will soon make more intense use of the GRID and physics analysis tools to study the Minimum Bias data. This aims at my future work on the GEANT detector simulation which I plan to adapt according to data.

**Conradin
LANGBRANDTNER**

MPI, Heidelberg - Germany

Luigi LI GIOI

CNAF/INFN, Bologna - Italy



Research fellowship at INFN CNAF in Bologna, with goal project: "Data and software management for the BaBar experiment and support to the Tier-1 BaBar activity". For the data management I am responsible for the local MySQL database, for data import, storage and user availability. For software management I am responsible for the local installation and operation of the BaBar software at the CNAF Tier-1. I cooperate in BaBar Grid Italy dealing with control's operations, validation and software management at the eight Grid sites afferent to the experiment. I perform also some administration tasks for the BaBar servers at CNAF-Tier1. I am familiar with Scientific Linux and Windows XP operating systems, with C++ programming language and with tcsh and perl scripts.

Lara LLORET IGLESIAS

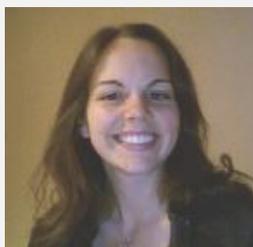
Universidad de Oviedo - Spain



I am currently working at the Physics Department of University of Oviedo in Spain and in the CMS experiment. I am in charge of the installation and administration of a distributed analysis cluster and its integration and maintenance on the LHC Grid infrastructure. This cluster will be integrated on a TIER 3 center. I also collaborate in the development, enhancement and test of PROOF (a distributed physics analysis tool) and part of the ROOT C++ data analysis framework.

Debra LUMB

CERN, Geneva - Switzerland



I am a PhD student with the University of Freiburg and am currently based at CERN, Geneva. I am working with the ATLAS SUSY group in the search for supersymmetry. I am currently investigating the potential of unstudied tau data channels for use in SUSY searches, particularly their sensitivity to the mSUGRA model in regions of high tan beta (regions predicted to be tau dominant). I have also begun to work within the Freiburg analysis group on model-independent search strategies. I am a developer of the Freiburg analysis package SUSYPac, which is written in C++ with python scripting and exploits both the athena framework and ROOT.

Alexander MAZUROV

CERN, Geneva - Switzerland



I am currently a member of LHCb Online Team at CERN. The Online System in LHCb comprises all aspects of online computing, experiment controls, as well as the Timing and Fast Control. It provides the infrastructure for the data taking for the High Level Triggers, as well as the control, configuration and monitoring of the entire experiment. The areas of my work are very wide: backup system, users' management, farm monitoring control and team's web services. I am a member of LHCb's Online help desk team - we help users to solve their problems at our network. In the past, I participated at development of LHCb's Gaudi framework.

Remi MOLLON

CERN, Geneva - Switzerland



I am currently involved in Data Management middleware developments for Grid projects LCG and EGEE. My work includes mainly GFAL/LCG-Util (Grid File Access Library). They are used by most of grid users to access files which are stored on the Grid, and to get different pieces of information from Storage Elements (SE). I also participate in the development of DPM (Disk Pool Manager), one implementation of SE. In addition to these activities, I am a member of the CERN Security Team, being on duty on a regular basis to handle all operational security alerts (virus infections, compromised machines, etc.)

Stefan E. MUELLER INFN-LNF, Frascati - Italy



My work concerns a precise measurement of the pion form factor below 1 GeV, using data of the KLOE experiment at the DAPHNE meson-factory in Frascati. This analysis requires a wide range of techniques like histogram fitting, unfolding and neural network estimators, plus a good understanding of the use of radiative corrections and Monte Carlo generators. I am also a member of the "Working Group on radiative corrections and Monte Carlo generators for low energies (RADIO MONTECARlow)". I expect from my participation at the CSC08 to improve my knowledge on ROOT-oriented data analysis and the optimized use of computing resources.

Jordi NADAL IFAE, Bellaterra - Spain



I am working for the Atlas Tier-2 at Barcelona taking care of the data management and cluster Monte Carlo production. My work focuses in the user support and I am also collaborating with the production shifter's team. I am also finishing my master in physics concerning some hadronic decays

Oliver OBERST Karlsruhe Institute of Technology - Germany



I started to work as a PhD student at Karlsruhe in August 2007. The thesis will consist of two parts, a computational one and a physics analysis. At the moment a computing cluster at the Karlsruhe Institute of Technology is shared among eight different departments and will also be part of the WLCG as the UNI-KARSLRUHE Tier 3 site. To run Grid jobs on such a shared cluster the incompatibilities between the requirements in hard and software of the different user groups are resolved in using virtualization techniques to partition the computing cluster dynamically. My current task is to implement this functionality into the batch system, that it can manage the virtual machines (virtual worker nodes) to connect the cluster and its mass storage system to the WLCG.

Gustavo ORDONEZ SANZ Radboud University Nijmegen – The Netherlands



I am currently in the last stage of my PhD and I am a member of the ATLAS collaboration at CERN where I divide my time between software development and physics analysis. I am the author of one of the algorithms for muon identification in the ATLAS calorimeters. This algorithm runs as part of the reconstruction software and is written in C++ and steered through Python modules. I have also used my expertise in muon identification to improve the Higgs "golden" channel analysis $H \rightarrow ZZ^* \rightarrow 4l$. I have made extensive use of the ROOT framework for data analysis and GRID tools to run the on large data samples.

Katarzyna OSTROWSKA CERN, Geneva - Switzerland



I am currently working in PH/LBD group at CERN. I am responsible for development of post processing tools to visualize results from simulated data with possibility of web based user interface. The tools are based on ROOT framework. The other part of my project is to set up templates for both local and grid submission of jobs with configurable parameters for the FLUKA based radiation simulation software of LHCb. I work on Linux based machine and I am also familiar with Sun Solaris and MS Windows. The programming language that I use in my project is Python however I have a familiarity with C, C++, Java, SQL, XHTML and Assembler.

Giulia PESARO

Universita' degli studi di Trieste - Italy



I am a first year PhD student working at the COMPASS experiment. COMPASS a fixed target experiment at the CERN SPS, part of which scientific program is the study of transversity Parton Distribution Functions in semi-inclusive DIS, using a longitudinally polarized muon beam of 160-GeV/c impinging on transversely polarized nucleons. A RICH detector is used for particle identification. Part of my work consists in characterizing the response of the RICH, and part in analyzing data that were collected during 2007 data-taking. Data analysis is performed both with dedicated software and with the root toolkit.

Antonio PIERRO

Universita' degli studi di Bari - Italy



I am working on my first year PhD at the Physics Department of University of Bari (Italy) in CMS (Compact Muon Solenoid) experiment for the LHC (CERN) developing part of Data Quality Monitoring software for the CMS Tracker. I am familiar with Unix/Linux and Windows OS, JavaScript, PHP, perl, python, bash script, C, C++ languages and SQL for communication with Oracle, MySQL and Postgres databases.

Gang QIN

ASGC, Taipei - Taiwan



I am working for the Ad hoc team of ASGC in Taiwan. ASGC has been actively participating in the WLCG/EGEE project through various activities ranging from strategic planning to infrastructure deployment and services, and more information about ASGC can be found on <http://twgrid.org/>. The main task assigned to me is to ensure the successful operations of ASGC's WLCG T1 center and to provide support to ATLAS and CMS users so that they can successfully do research. I take care of the ASGC's performance & activities in CERN organized tests, such as DDT & T1 workflow in CCRC. I work with C++, python, windows & Linux.

Daniel RODRIGUES

CERN, Geneva - Switzerland



Currently I am working at CERN with the MSG (Messaging System for the Grid). It is being used mainly on the context of Grid Monitoring to help probing, summarizing, and making available information in a flexible and reliable way. Before being at the Monitoring and Dashboards section of the GS group, I graduated in Electrical and Electronics Engineering at my hometown of Porto, Portugal, coming to CERN to work with file and metadata catalogs. In between I got to know real life in a medium-sized start-up and was lucky enough to work at ESA for a brief period. Hopefully CSC will give me a better overall picture of the other side of the Grid, by the HEP physics users point of view.

Benjamin RUCKERT

Ludwig-Maximilians-Universitaet Muenchen - Germany



Since autumn 2006, I am a PhD student at the chair of Experimental High Energy Physics at the University of Munich (LMU) and work for the ATLAS experiment at CERN, Geneva. My research area is the development of an analysis for a possible discovery of the Higgs particle at the ATLAS experiment. The large amount of data from the LHC experiments has to be distributed and stored at several computing centres spread all over the world. Then the data can be analysed within this huge Grid computing infrastructure in compliance with the distributed computing model. Before the data taking era we produce Monte-Carlo events and distribute large amounts of simulated data within the Grid environment to stress test the distributed computing system. I work for the ATLAS Distributed Computing Operations Shift Team and within the Munich TIER-2 centre I contribute to the maintenance of the storage elements which use dCache.

Seangchan RYU

Fermi National Accelerator Laboratory – U.S.A.



I am currently working on T0 Repacker - Export system for CMS. My role is developing python application doing repacking and exporting using meta data from CMS detector. Previous experience includes developing error logger system for Nova project at Fermi. Most development was under Linux. I am currently employed at Fermi National Accelerator Laboratory in U.S.A.

**Alba SAMBADE
VARELA**

CERN, Geneva - Switzerland



I have studied Industrial Engineering at the University of A Coruña (Spain). I have written my master thesis in 2007, designing and implementing the LHCb ST (Silicon Tracker) control system. I am currently member of the Online team in LHCb experiment at CERN, and my work involves the implementation, validation and deployment of LHCb's Run Control system. I am responsible for the alarm reporting system and for overall system diagnosis and logging tools. I mostly use a commercial SCADA, PVSS II, and the JCOP Framework, both common to all LHC experiments, which run on windows and Linux and use a C-like programming language.

**Rainer
SCHWEMMER**

CERN, Geneva - Switzerland



I am a physicist, currently working as a fellow for the Online group of the LHCb experiment. My duties comprise the administration and commissioning of the Online/DAQ Cluster and the control system of the L1 buffer board for all sub detectors. I have previously worked for the Outer Tracking system of LHCb where I did the commissioning of the front end electronics. This included the acquisition and analysis of front end data with mostly self written software in C, C++ and Java.

Andrzej SIODMOK

Jagiellonian University, Cracow – Poland & LPNHE, Paris - France



My current work as a PhD-student at Jagiellonian Univ. (Cracow) and LPNHE (Paris) consists of three main subjects which all are strongly related to the LHC experiment. The first subject is a new strategy of using the Z boson as the standard candle for the high-precision measurements of the W boson observables at the LHC. The second one is a construction and implementation of precise Monte Carlo generator (ZINHAC++) for the neutral-current Drell-Yan process. The third subject is a new theoretical model of non-perturbative gluon emission in an initial state parton shower constructed when I was a Marie Curie Fellow at CERN in 2007 and then implemented in the framework of Herwig++. All the mentioned tasks foresee the knowledge of C, C++, Java, script-writing languages (tcsh, bash), Fortran and the Root framework. Operating systems, which I am familiar with, are Unix/Linux, MacOSX and MSWindows. Currently I am also an administrator of the server used by our group in LPNHE.

Agnes SZEBERENYI

KFKI Research Institute for Particle and Nuclear Physics, Budapest - Hungary



I am an IT student at the Budapest University of Technology and Economics. I have been involved in EGEE projects since the very beginning (2004) at my university. Recently I have been working as a part time student at the Computer Networking Center in KFKI Research Institute for Particle and Nuclear Physics. Since March I am a member of the CMS-grid team in Budapest T2 centre. I spent 3 months this summer at CERN, I was involved in LCG-utils and CMS computing shifts. In my studies I am specialized in enterprises and simulating workflows. I have been working with BPEL (Business Execution Language) as a tool for defining workflows. My special interest is connecting the field of Grid computing with web services.

Paolo TEDESCO

CERN, Geneva - Switzerland



I am currently working at CERN, at the development of File Transfer Service, a data management grid middleware component. FTS is used by experiment frameworks to move data across sites, offering load balancing and monitoring capabilities. I have programming experience on Windows and Linux environments, mainly in C++ and c#.

James THORNE

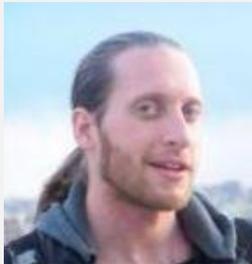
Science and Technology Facilities Council, Didcot – United Kingdom



I work for the LCG Tier1 Fabric Team at Rutherford Appleton Laboratory (RAL) in the UK. Although I originally studied geology, I have been a UNIX systems administrator for over seven years, the last 18 months at RAL. My main role is the benchmarking and maintenance of the hardware and operating systems for the CASTOR storage systems. I also have responsibility for central system logging and various monitoring tools. As a systems administrator, I am most familiar with Perl and shell scripting but I have dabbled in other languages too. CSC2008 will increase my knowledge of the grid and other technologies, expanding the range of roles I can fill within the RAL Tier1

Manfred VALENTAN

Austrian Academy of Sciences, Vienna - Austria



Since 2006 I work at the Institute of High Energy Physics Vienna as a member of the ILC group. I am developing the fast Monte Carlo simulation program "LiC Detector Toy" for detector design studies of the tracking parts of detectors in collider experiments. This program is written in MatLab (compatible with GNU Octave) and serves as an easy-to-use tool for non-experts, who have no or only little knowledge of track reconstruction algorithms and detector simulation. At the moment I am finishing my diploma thesis doing detector optimization studies within the ILC framework, especially for the International Large Detector (ILD), and afterwards I will go on maintaining and expanding the program.

Lu WANG

Institute of High Energy Physics, Beijing - China



Before I was enrolled as PHD student in IHEP(Beijing) this year, I have worked here for three years. I am now working on the data management system of BES (Beijing Spectrometer) grid. This work is based on the gLite grid middle ware(including Storage Element,LFC, FTS) with additional function such as replica selection, automatic replication of files and data-set. I have take part in several gLite system maintenance works and java developing works in EuChinagrid. I am also interested in several related subjects such as Linux File System, Cloud computing and so on. It is a good chance for me to know and to learn from people who also work for the computing in high-energy physics through this summer school.

Robert ZIMMERMANN

Universität Bonn - Germany



As a PhD student at the University of Bonn I am currently working on setting up and commissioning an ATLAS Tier-3 computing cluster in the context of the LHC Computing Grid (LCG). This includes work on all required parts of such a cluster, like network infrastructure (DHCP, dDNS), base-system (SL) and middleware (gLite) installation and configuration, monitoring and the automation of all of this (Quattor). I am also one of the administrators of the local desktop (Debian) and batch (SGE) clusters for our high energy physics groups. I am familiar with various flavors of Linux like Scientific Linux, Fedora, Debian or Ubuntu, have, of course, run across MS Windows and personally enjoy using Mac OSX. Programming and scripting languages I've worked with (out of necessity or just for fun) include C, C++, Objective C, ruby, perl and bash.