CERN: The Future of Information Technology
27th May 2004
PPARC Industry KITE Club, CERN Technology Transfer
QEII Conference Centre, Westminster
And simultaneously with First Tuesday @ CERN (with First Tuesday Geneva)
CERN Main Amphitheatre, Geneva

Speaker Biographies

Nathan Hill
(Speaking at UK event only)
Job Title:
Nathan Hill, Industry Coordinator for PPARC and UK Technology Transfer Coordinator for CERN
Biography:
In 1999, Nathan started his own business, Qi3, which is a specialist technology commercialisation business, acting to support the sales and marketing activities of technology companies and start-ups. As part of this activity, Nathan works for PPARC as Industry Coordinator and UK Technology Transfer Coordinator for CERN, building partnerships between the PPARC-funded research groups and UK industry.

Nathan studied Physics at Oxford University (specialising in Condensed Matter) and then moved to Germany for 3 years, selling cryogenic and superconducting magnet systems for Oxford Instruments. He returned to Oxford Instruments in 1992 and as Marketing & Strategy Director headed up the marketing activity for research and novel industrial applications of cryogenics and superconductivity. He moved to Cambridge in 1996 as Managing Director of two companies, one specialising in superconducting thin film detectors and SQUIDs, the other a manufacturer of Scanning Tunnelling Microscopes. During this period he evaluated numerous companies for acquisition or disposal. Much of Nathan's work is in the development of "physics to healthcare" opportunities and strategic alliances. Recently he was invited to speak at the International Patent Licensing Seminar in Tokyo. Nathan now supports a number of companies in startup or rapid growth modes.

Dr. Hans Hoffmann
(Speaking at UK event only)
Job Title:
Director Technology Transfer, Scientific Computing, (1999-2003), CERN
Biography:
Dr. Hans F. Hoffmann was born in 1942. He is of German nationality and gained his PhD in physics at Bonn University. He has been a member of staff at CERN since 1972. His present position is that of Senior Physicist, where he is responsible for creating an R&D programme for LHC experiments, together with institutes collaborating with CERN, continued participation in WSIS, phase II.

Dr. Hoffmann worked previously as Director of Central Services (including computing) for DESY (Deutsches Elektronen Synchrotron/Hamburg) between 1985-1989, Director of Technical Support for CERN between 1990-1993, Director of Technology Transfer, Scientific Computing for CERN between 1999-2003 (where he was responsible for launching the LHC Computing Grid, LCG and EU FP5 DataGrid, DataTAG and FP6 EGEE, their coordination with US-NSF/DOE projects, participation of CERN in EU FP5 ENLIGHT and FP6 BioCare; promotion of Health-Grid). He was also responsible for organising the World Summit on Information Society-Summit Event "RSIS" (Role of Science in the Information Society) at CERN (Dec. 2003).

Fabien Collin
Job Title:
Technology Director, Elonex
Biography:
Fabien has a PhD in computer architecture and operating systems from the Université of Nancy (France) in collaboration with INRIA, the French national research institute in computing science. He arrived at CERN in 1992, as a graduate student working on RISC farms. While at CERN as a PhD student he focused on high performance data storage distributed systems. After completing his PhD he joined CERN staff where he was responsible for the secondary and tertiary data storage infrastructure until early 2004. He was often involved in CERN IT tenders, defining technical specifications and then dealing with external CERN suppliers, establishing various level of collaboration with several of them. In April 2004, he joined Elonex, a United Kingdom IT solutions provider with offices in France, Benelux and Switzerland. He is now Chief Technology Officer at Elonex Switzerland, focusing on the scientific market.

Patrick Chevaux

Job Title:

European Business Development Manager, Voltaire

Biography:

Patrick Chevaux is Voltaire's Business Development Manager for the European Market. In this position he is responsible for building awareness of Voltaire as a supplier of very high performance cluster/grid interconnect solutions for the High Performance Computing market. Patrick spends his time talking to users of grid/cluster supercomputing environments and to system vendors, OEMs and general distribution channels active in the HPC market.

Prior to working for Voltaire, Patrick has had a similar Business Development job in 2002/2003 for InfiniSwitch, another InfiniBand technology pioneer. Earlier on, Patrick has built an exhaustive network technology and business expertise in the last 3 decades, holding key technical, product management, product marketing and international business development positions for companies like Nortel Networks, Cabletron Systems (now Enterasys Networks) and Digital Equipment Corp. (now Hewlett-Packard).

Patrick has an Engineering Degree (Diplôme d'Ingenieur) in Computers & Electronics from Paris EFREI and a Business Degree from Paris University.

Dr. Francois Fluckiger

Job Title:

Technology Transfer Officer for CERN IT Department

Biography:

François Fluckiger, Director of the CERN School of Computing, is Technology Transfer Officer for Information Technologies at CERN and Manager of the CERN Openlab for DataGrid applications. He is also an adjunct professor of Computer Science at the University of Geneva. Prior to his current position at CERN, he occupied several functions in information and telecommunication technologies at CERN, including head of External Networking. He is the author of the reference textbook "Understanding Networked Multimedia" as well as more than 80 articles. He has 31 years of experience in networking and information technologies. François Fluckiger graduated from the Ecole Supérieure d'Electricité in 1973 and took an MBA from the Enterprise Administration Institute in Paris in 1977.

Dr. John Manley

Job Title:

Director of Utility Computing Research, Hewlett-Packard Laboratories, Bristol

Biography:

John Manley manages research into utility computing at HP's European strategic research laboratories in Bristol. Dr Manley joined HP Laboratories in 1985 to work on Knowledge Base Management. This work evolved to focus on enabling the meta-level treatment of federated, heterogeneous information sources. In the early 90s he moved on to manage a team researching the scalability aspects of TMN (Telecommunications Management Network). This work led to technology transfers to HP's OpenView and telecommunications platform businesses.

As a Department Manager he led research into communications technologies and very large-scale systems, such as Voice over IP, Web Collaboration, 3D environments and notification systems. For the past five years his focus has been utility computing.

John Manley has a PhD in Molecular Quantum Mechanics from the University of Bristol. This was followed by post-doctoral research work at the Universities of Milan and Toronto before taking a Royal Society Research Associate position at the University of Sussex.

James Purvis

Job Title:

Deputy Group Leader, Administrative Information Systems Group, CERN

Biography:

James Purvis is deputy group leader of CERN's Administrative Information Systems group and is currently responsible for the financial, purchasing & logistics applications. James previously led the Internet Development Services group, which was responsible for developing bespoke web-based business solutions in the MIS domain where Commercial Off the Shelf products did not exist or meet CERN's requirements. The products of this group are ubiquitous household names at CERN providing functionality from e-business & workflow to financial &

human resource datawarehousing solutions through to HR simulations and project management tools. (All solutions of course being web based).

James has been involved in Management Information Systems since 1990 and involved in web application development since 1996 when he rolled out the first enterprise wide application for financial reporting at CERN.

James was brought up in Mallorca (Spain) and moved to work at CERN after having graduated with a 1st Class Honours degree in Computer Science from Brunel University (London). James is also a qualified snowboard instructor and when the snow melts takes to the water as a keen windsurfer.

Monica Marinucci Lopez
(Speaking at the Geneva event only)
Job Title:
GRID Computing R&D Liaison Manager, Oracle
Biography:
In 1995 M. Marinucci Lopez obtained a degree in Applied Mathematics at the University of Rome "La Sapienza" with a thesis developed at IBM-ECSEC on Parallel Computing. After working on Distributed Computing and System Administration for CASPUR (Rome, Italy), she joined CERN (Geneva, Switzerland) in 1998 and was responsible for the Web Services Infrastructure and related User Support. She was the CERN Representative at W3C. After leading some projects in the Internet Applications group, she joined the CERN Database group in 2002 and was responsible of the new EDMS service study and commissioning, as well as being involved in running the CERN ORACLE-based services. In 2004, Monica joined ORACLE as GRID Computing R&D Liaison Manager.

Monica is a member of the CWF which promotes the role of women in high responsibility roles whilst finding a good balance between professional and family duties/life.

Prof. Ari-Pekka Hameri
(Speaking at the Geneva event only)
Job Title:
Helsinki Institute of Physics
Biography:
Dr. Ari-Pekka Hameri is full professor of operations management at University of Lausanne, Switzerland. He has been involved with numerous international research and spin-off projects dealing with industrial IT. He is also director of Technology program at Helsinki Institute of Physics and is directly involved with the development of industrial Grid-applications.