Biographies e-IRG workshop under the Finnish presidency 2006.

Charlie Catlett

Charlie Catlett is currently a Senior Fellow in the Computation Institute at Argonne National Laboratory and the University of Chicago, and Director of the TeraGrid Project, an initiative of the National Science Foundation.

Prior to joining Argonne in 2000, Catlett was chief technology officer at the National Center for Supercomputing Applications (NCSA). He was part of the original team that established NCSA in 1985 and his early work there included participation on the team that deployed and managed the NSFNet.

Catlett was the founding chair of the Global Grid Forum (GGF) from 1999 through 2004. During this same period he designed and deployed one of the first regional optical networks dedicated to academic and research use - I-WIRE, funded by the State of Illinois.

He has been involved in Grid (distributed) computing since the early 1990's, when he co-authored (with Larry Smarr) a seminal paper "Metacomputing" in the Communications of the ACM, which outlined many of the high-level goals of what is today called Grid computing.

Kyriakos Baxevanidis

Mr. Kyriakos Baxevanidis is a scientific officer of the European Commission.His current activity is the co-ordination of the Grid related efforts of the Research Infrastructures EU-RTD Programme including the monitoring of big European Grid initiatives like the DataGrid (EDG) and EGEE projects.

One of his most recent involvements is in the shaping, implementation and further evolution of the EU eInfrastructure concept .He previously served in the areas of Services Engineering, Communications Management and Security of IST and of previous EU-RTD programmes. Before joining the Commission, he worked for several years for Siemens in the field of telecommunication systems as an engineer and leader of a development group. He holds degrees from the Aristotle University of Greece and Carnegie-Mellon University, US.

Timo Skyttä

Federated Identity - solutions to real world issues

Timmo Skyttä's presentation during the e-IRG workshop will talk about these issues:

- Federated Identity: Why and What
- SAML (Security Assertion Markup Language) Federated Identity solution overview
- Use of federated identity - examples worldwide but with European focus

About Timo Skyttä

Timo Skyttä is a Director, Internet and Consumer Standardization in Nokia Corporation Standardization and Industry Relations unit. Skyttä has wide Web Services, Identity, telecommunications and networking systems expertise, having worked at IBM, Cisco Systems and Nokia during his career. He has held senior engineering, consulting and management positions in these companies. In his current position in Nokia he is responsible for driving Nokia's standardization activities in Internet and Consumer related technologies. He represents Nokia on the board of Liberty Alliance.

Skyttä holds a Bachelor of Science degree in Telecommunications, from Oulu Technical Institute, Finland.

Klaus Ullmann

Managing Director of DFN and DANTE Chairman

Klaus Ullmann began his career in network development at the Hahn-Meitner Institute. Since that time, he has contributed extensively to the development of research networking in Germany. He was the project leader of a regional network for the Berlin Universities and research establishments, and then head of the Planning Team for DFN. He has been the Managing Director of DFN since 1984.

In addition, Klaus was a member of the Executive Committee of the European umbrella organisation of national research and education networks, RARE, and later President of RARE from 1986 to 1990.

This is Klaus's second term as Chairman of the DANTE Board, having previously been chairman from 1994 – 2002. In 2005, he was also elected Chairman of the GÉANT2 Executive Committee.

Michael Grønager

Nordic Data Grid Facility (NDGF)

Michael Grønager is Technical Coordinator for the Nordic Data Grid Facility at NORDUnet A/S. He is currently heading the setup of the Nordic Grid infrastructure and the Nordic CERN Tier-1.

He obtained his Ph.D. at the Technical University of Denmark in quantum mechanics and laser interactions. He has been working with virtual reality and distributed computing for several years and has initiated several Nordic and international projects in Virtual Reality and Grid computing.

Dr. Kimmo Koski, Managing Director

CSC, Finnish IT Center for Science

Dr. Kimmo Koski started his current position as the Managing Director of the Finnish National Supercomputing center, CSC, in August 2004. Before that he has worked for 4.5 years in Nokia Research Center and Nokia Technology Platform in which two

organizations he was mainly responsible for various management tasks for their global IT services. Earlier work experience includes 10 years at CSC in various positions, most of the time as the manager for operational computing environment, and one year visiting period in CERN in Switzerland.

Kimmo Koski completed his doctorate studies in January 1996 with a dissertation on Metacomputing Technology in Helsinki university of Technology. The dissertation was preceded by licensiate thesis (1990) on Supercomputing environments and M.Sc. thesis on Porting applications (1988).

During 2006 he has participated in various international activities, including High-Performance Computing European Taskforce, HET (chair since June 2006), Advisor for Norwegian e-Infrastructure taskforce, Member of Irish Centre for High-End Computing (ICHEC) Oversight committee and Nordic Data Grid Facility, NDGF (chair during 2006).

Kimmo Koski was born July 1964 in Hyvinkää, Finland. He is married and has three children. Hobbies include (in addition to the busy family life) various kinds of sports, cooking and foreign languages.

Dr. David Giaretta
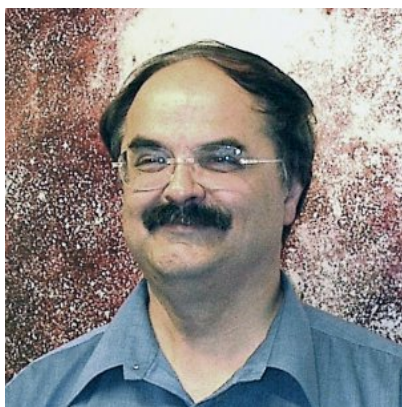
Dr David Giaretta has had extensive experience in planning, developing and running scientific archives and providing and managing a variety of services to large numbers of users. He led the bid to the EU for the successful CASPAR project, and he is now the project co-ordinator. CASPAR, with a total spend of 16M Euros, 8.8 M Euros from the EU, seeks to address fundamental issues of digital preservation.

He has published a number of scientific papers in refereed journals and given presentations at many international conferences, scientific as well as technical. In addition he has broad experience in e-Science and in obtaining funding for and managing distributed teams of a similar scale to the DCC. In 2003 he was awarded an MBE for services to Space Science. Having been involved from the start of the successful DCC consortium, Dr Giaretta is now Associate Director for Development in the DCC and has played an active role in all aspects of the project.

He has made fundamental contributions to the OAIS Reference Model which forms the basis of much digital preservation work far beyond repositories of scientific data, and contributes still to developing the follow on standards. He co-organised a workshop entitled "Digital Curation: digital archives, libraries, and e-science" in 2001, bringing together, in many cases for the first time, a variety of communities with this common interest.

Christoph Witzig

Christoph Witzig is the team leader of the middleware group at SWITCH, the national research and education network of Switzerland. The activities of the middleware group comprise among other things the Shibboleth-based authentication and authorization infrastructure of Switzerland as well as grid activities. SWITCH is a partner in EGEE-2 where it has the responsibility for the work item "interoperability Shibboleth gLite".

Christoph Witzig holds a degree in high energy physics from ETH Zurich, obtained his PhD while working at CERN and worked for several years at Brookhaven National Laboratory in Upton, NY. He held various positions in the commercial sector before joining SWITCH in spring 2005.

Authentication and Authorization Infrastructures in e-Science and the role of NRENs

Introduction: AAI and e-Science

Short review of various AA systems (PKI, Shibboleth, AA in Grids etc) and their role in e-Science. Historical and prospective roles for NRENs in this area.

SWITCH's activity in the area of AAI and Grid

Description of SWITCH's activities in AAI and Grid as an example of the role an NREN can play in this area. Short description of the Shibboleth-based AAI. Organizational and legal framework, strength and challenges of the SWITCH AAI federation. Relation between SWITCHaai and Grid, SWITCH's work in EGEE, SWITCH's vision for Grid and AAI in Switzerland.

The broader picture: NREN activity in AAI and Grid in Europe

Overview of other AAI activity by NRENs in Europe. Range of applicability of AAI's in e-science. Synergies with Grid infrastructures. Related AAI-grid interoperability projects in Europe and US. Plea for stronger involvement of NRENs for bridging the gap between development and operation of e-Infrastructures.