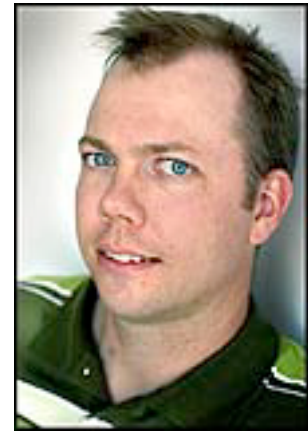


CV for Olle Mulmo

Contact Details

Name: Olle Mulmo
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Age: 34



Areas of Expertise

- **Distributed systems**
 - Grid computing (distributed resource management)
 - Service-Oriented Architectures (SOA)
 - Web Services and related standards
- **Security infrastructures**
 - Authentication (identity management, PKI, Kerberos, federations)
 - Authorization (including role-based and process-based authorization)
 - Virtual Organizations and dynamic collaborations
 - Operational aspects of protecting distributed systems in open environments
- **Software architecture and development**
 - Highly appraised implementation skills in C and Java
- **Training and Education**
 - Popular speaker and lecturer in the subjects mentioned above. Invited talks in Australia, Belgium, Estonia, Finland, France, Germany, Ireland, Italy, Japan, South Korea, Sweden, Switzerland, UK, and USA.

Consultancy Engagements

These projects completed 2005-2007. Details may be disclosed upon inquiry.

- **Software architecture and development**
 - A security architecture for next-generation Grid middleware that can be integrated with existing enterprise authentication infrastructures (USA)
 - A data-streaming utility to facilitate secure, high-bandwidth, and latency tolerant data replication (USA)
 - A job submission broker, running on top of Globus Toolkit 4 that distributes workload across an enterprise grid (USA)
- **Enterprise Grid**
 - A system architecture and identification of suitable applications for an enterprise Grid infrastructure at a major Scandinavian bank (Sweden)
 - Architecture and initial deployment of an enterprise Grid environment spanning some 20 sites in 3 continents (Europe/USA)
- **Standards and evaluation**
 - Assessment of the security infrastructure, research and development planned in a 20M€ national academic Grid initiative (Germany)

- Assessment and documentation of a software product for national-scale identity management infrastructures, targeting a successful EU Common Criteria certification evaluation (Sweden)

Employment

- **Mulmo Consulting, Stockholm, Sweden 2005-**
Consultant
 - Expert consulting and software development in the areas of Grid Computing, Distributed Systems, and Security Infrastructures, with customers in Sweden, Germany, and USA.
- **Royal Institute of Technology, Stockholm, Sweden, 2002-2006**
Research and standardization work, Grid and Web Services security
 - Chief Security Architect in EGEE, a €32M EU project. Defined the security architecture for the world's largest Grid production service to date, and participated in the middleware design team and operational policy work.
 - Security Area Director and Steering Group Member, Open Grid Forum. Led the advancement of standards and community activities in the international standardization forum.
 - Co-founded Globus Alliance, which develops the most wide-spread and used open-source Grid computing middleware. Board and security team member.
 - Participation in EU projects European DataGrid, EGEE, NextGrid, BalticGrid, and ICEAGE. Research in the areas of authorization, identity management, access control policy, and delegation.
 - Advisor to national Grid projects in Sweden, UK, and Germany
- **iD2/SmartTrust, Stockholm, Sweden, 2000-2002**
Software Architect and Program Manager
 - Design and implementation of core components in a PKI platform targeting national-scale infrastructures in the finance, government and mobile sectors.
 - Program manager, responsible for the company's customer training offerings (2001 only)
 - Active participation in PKI standardization (IETF PKIX)
- **Argonne National Laboratory, 1998-2000**
Pre-doctorate position, Globus Project
 - Software and application development. Worked with external application projects and adapted their code for Globus' globally distributed test grid.
 - Research and concept implementation of hierarchical collective MPI operations, laying the foundation for the much appraised MPICH-G2 implementation
 - Rewards for proof-of-concept demos at Supercomputing conferences, co-writer of several papers and technical reports
- **University of Houston, 1996-1998**
Research and Teaching Assistant

Formal Education

- University of Houston, Houston, TX, (M.Sc, Computer Science), 1998
- University of Uppsala, Uppsala, Sweden (Civ. Ing. / M.Sc, Engineering Physics), 1997