



www.wesc.ac.uk

CCGrid05

International Symposium on Cluster Computing and the Grid

9 – 12 May 2005, City Hall, Cardiff, Wales,
United Kingdom

<http://www.cs.cf.ac.uk/ccgrid2005/>

CALL FOR PARTICIPATION

Commodity-based clusters and Grid computing technologies are rapidly developing, and are key components in the emergence of a novel service-based fabric for high capability computing. Cluster-powered Grids not only provide access to cost-effective problem-solving power, but also promise to enable a more collaborative approach to the use of distributed resources, and new economic products and services.

CCGrid2005, sponsored by the IEEE Computer Society, is designed to bring together international leaders who are pioneering researchers, developers, and users of clusters, networks, and Grid architectures and applications. The symposium will also serve as a forum to present the latest work, and highlight related activities from around the world.

The following topics concerning Cluster and Grid Computing are of interest, but not limited to:

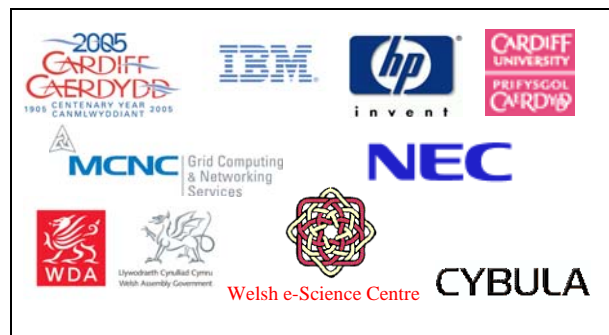
- Hardware and Software (based on PCs, Workstations, SMPs or Supercomputers)
- Middleware for Clusters and Grids
- Dynamic Optical Network Architectures for Grid Computing
- Parallel File Systems, including wide area file systems, and Parallel I/O
- Scheduling and Load Balancing
- Programming Models, Tools, and Environments
- Performance Evaluation and Modeling
- Resource Management and Scheduling
- Computational, Data, and Information Grid Architectures and Systems
- Grid Economies, Service Architectures, and Resource Exchange Architectures
- Grid-based Problem Solving Environments
- Scientific, Engineering, and Commercial Grid Applications
- Portal Computing / Science Portals

REGISTRATION

www.cs.cf.ac.uk/ccgrid2005/registration.html

Early bird registration: 21st March 2005
Accommodation (cut off): 21st March 2005

SPONSORS



PROGRAMME

Full programme details are listed overleaf

CHAIRS & COMMITTEES

Honorary Chair

Tony Hey, EPSRC, UK

General Chairs

David W. Walker, Cardiff University, UK
Carl Kesselman, USC/ISI, US

Program Committee Chair

Omer F. Rana, Cardiff University, UK.

Program Committee Vice Chairs

Luc Moreau, Southampton University, UK
Craig Lee, Aerospace Corporation, USA
Sven Graupner, HP Labs, USA
Peter Sloot, University of Amsterdam, Holland.

Publication Chair

Rajkumar Buyya, Monash University, Australia.



CCGrid05

FULL PROGRAMME DETAILS

The conference will contain:

Over 75 papers in the main track (33% Acceptance Rate)

9 workshops:

Chair: Craig Lee (Aerospace Corporation, US)

Workshop 1:- Collaborative and Learning Applications of Grid Technology

Organisers:

Oscar Ardaiz-Villanueva, Technical University Catalunya, Spain

Miguel L. Bote-Lorenzo, University of Valladolid, Spain

Amy Apon, University of Arkansas, US

Barry Wilkinson, Western Carolina University, US

Workshop 2:- Cluster-Sec 2005: Cluster Security -- The Paradigm Shift

Organiser: William Yurcik, NCSA, US

Workshop 3:- Semantic Infrastructure for Grid Computing Applications

Organisers:

Line C. Pouchard, Oak Ridge National Lab, US

Luc Moreau, University of Southampton, UK

Valentina Tamma, University of Liverpool, UK

Workshop 4:- Fifth International Workshop on Global and Peer-2-Peer Computing: "Theory and Experience of Desktop Grids and P2P systems"

Organisers:

Franck Cappello, INRIA, France

Adriana Iamnitchi, Duke University, US

Mitsuhsa Sato, Tsukuba University, Japan

Workshop 5:- DSM 2005: Fifth International Workshop on Distributed Shared Memory

Organisers:

Laurent Lefevre, INRIA RESO/LIP, France

Michael Schoettner, University of Ulm, Germany

Workshop 6:- GAN'05: Third Workshop on Grids and Advanced Networks

Organisers:

Laurent Lefevre, INRIA RESO/LIP, France

Pascale Primet, INRIA RESO/LIP, France

Workshop 7:Bio-Medical Computations on the Grid (BioGrid)

Organisers:

Chun-Hsi Huang, University of Connecticut, US

Sanguthevar Rajasekaran, University of Connecticut, US

Workshop 8:1st International Workshop on Grid Performability

Organisers:

Nigel Thomas, University of Newcastle upon Tyne, UK

Stephen Jarvis, University of Warwick, UK

Workshop 9: Workshop on Agent-based Grid Economics (AGE-2005)

Organisers:

Daniel Veit, University of Karlsruhe, Germany

Bjoern Schnizler, University of Karlsruhe, Germany

4 Tutorials (31% acceptance rate -- 13 tutorial proposal submitted)

Tutorial 1: High Performance I/O for Scientific Applications

Robert Latham - Mathematics and Computer Science

Division, Argonne National Lab, IL,USA

Tutorial 2: Practical Performance Measurement and Analysis of Parallel Programs on Clusters (and Grids)

Bernd Mohr Forschungszentrum Jülich, Zentralinstitut für Angewandte Mathematik,52428 Jülich, Germany

Tutorial 3: Grid Computing Security - Issues, Concerns and Counter-measures

Anirban Chakrabarti Grid Computing Focus Group,

Software Engineering Technology Lab,Infosys

Technologies, Electronics City, Bangalore, Karnataka 560100, India

Tutorial 4: The Gridbus Toolkit: Creating and Managing Utility Grids for eScienceand eBusiness Applications

Rajkumar Buyya Senior Lecturer and StorageTek (USA)

Fellow of Grid Computing Grid Computing and

Distributed Systems (GRIDS) Lab Dept. of Computer

Science and Software Engineering, The University of

Melbourne, ICT Building, 111, Barry Street, Carlton,

Melbourne, VIC 3053, Australia

Conference Banquet at the National Museum & Galleries of Wales

A poster session with over 16 posters

Two General Keynote Talks:

- Talk 1: "e-Science, Cyber infrastructure and Web Service Grids" (Professor Tony Hey, University of Southampton/EP SRC, UK)
- Talk 2: "Experiences with System X" (Professor Srinidhi Varadarajan, Virginia Tech, US)

An Industry Track

Chair: Alistair Dunlop (OMII, UK)

Industry Keynote:"WS-Agreement"

Heiko Ludwig, IBM T.J.Watson Research Centre, US

A "Work in Progress" Session