

Third International ICST Conference on Networks for Grid Applications

“GridNets 2009”

September 8-9, 2009 – Athens, Greece

Tuesday September 8

9h00 Welcome

Opening of the GridNets 2009 conference (Ioannis Tomkos)

9h30 Keynote

Keith Jeffery

Director IT and International Strategy of Science and
Technology Facilities Council, Rutherford Appleton
Laboratory, UK

GRIDS, CLOUDs, Web2.0: New Challenges for Informatics

10h30 Coffee break

Green Grids

Chair: Chris Develder

Ghent University - IBBT, *Belgium*

10h45

Introduction

11h00

Isabella Cerutti

Scuola Superiore Sant'Anna, Italy

Designing power-efficient WDM ring networks (invited)

11h30

Fabrice Saffre

BT, UK

(invited)

12h00

Willem Vereecken

Ghent University - IBBT, Belgium

(invited)

12h30

Laurent Lefèvre

ENS Lyon, France

(invited)

13h00

Michael C Parker

Stuart Walker

University of Essex, UK

An Absolute Network Energy Efficiency Metric

13h20 Lunch

General session I

14h00

Costas Courcoubetis

Athens University of Economics and Business, Greece

(invited)

14h30

Yuri Demchenko

Mihai Cristea

Cees De Laat

Evangelos Haleplidis

University of Amsterdam, The Netherlands

Authorisation Infrastructure for On-Demand Grid and Network

Resource Provisioning

14h50

Antonios Gouglidis

Ioannis Mavridis

University of Macedonia, Greece

On the Definition of Access Control Requirements for Grid and

Cloud Computing Systems

15h10

Serafim A. Kotrotsos

EXIS IT, Greece

Peter Racz

Cristian Morariu

University of Zurich, Switzerland

Katerina Iskioupi

EXIS IT, Greece

David Hausheer

Burkhard Stiller

University of Zurich, Switzerland

Business Models, Accounting and Billing Concepts in Grid-aware Networks

15h30 Coffee break

General session II

16h00

Panayiotis Tsanakas

NTUA, Greece

Challenges and opportunities of Cloud computing in research and education (invited)

16h30

Yan Li

Sanjay Ranka

Mark Schmalz

Sartaj Sahni

University of Florida, USA

Network Centered Multiple Resource Scheduling In e-Science Applications

16h50

Francesco Palmieri

Federico II University of Napoli, Italy

Percolation-based replica discovery in peer-to-peer grid infrastructures

17h10

Wantao Liu

School of Computer Science and Engineering, Beihang University, Beijing, China

Department of Computer Science, The University of Chicago, Chicago, IL USA

Rajkumar Kettimuthu

Mathematics and Computer Science Division, Argonne National Lab, Argonne, IL USA

Computation Institute, The University of Chicago, Chicago, IL USA

Brian Tieman

Advanced Photon Source, Argonne National Lab, Argonne, IL USA

Ravi Madduri

Mathematics and Computer Science Division, Argonne National Lab, Argonne, IL USA

Computation Institute, The University of Chicago, Chicago, IL USA

Bo Li

School of Computer Science and Engineering, Beihang University, Beijing, China

GridFTP GUI: An Easy and Efficient Way to Transfer Data in Grid

17H30 (sessions over)

Social event TBA.

Wednesday September 9

9h00 HellasGrid presentation

9h30 Keynote

Joe Mambretti

International Center for Advanced Internet Research, Northwestern University (iCAIR.org), Metropolitan Research and Education Network (<http://www.mren.org/>)

Designing 21st Century Communications: Architecture, Services, Technology, and Facilities

10h30 Coffee break

General session III

10h45

Nectarios Koziris

NTUA, Greece

Online storage services for the masses and the case of Pithos (invited) – 30 min

11h15

Charaka Palansuriya

Jeremy Nowell

Florian Scharinger

Kostas Kavoussanakis

Arthur S. Trew

The University of Edinburgh

An Alarms Service for Monitoring Multi-Domain Grid Networks

11h35

Fabiano Costa Teixeira

Marcos José Santana

Regina Helena Carlucci Santana

Julio Cezar Estrella

University of São Paulo

Grid Anyware: An Architecture for Grid Computing Able to Explore the Computational Resources of the Set-top Boxes

11h55

Robert Grossman

National Center for Data Mining, University of Illinois at Chicago, USA

Open Data Group, USA

Yunhong Gu

Michal Sabala

National Center for Data Mining, University of Illinois at Chicago, USA

Colin Bennet

Jonathan Seidman

Open Data Group, USA

Joe Mambretti

International Center for Advanced Internet Research, Northwestern University, USA

The Open Cloud Testbed: Supporting Open Source Cloud Computing Systems Based On Large Scale High Performance, Dynamic Network Services

12h15

Vassiliki I. Andronikou

Konstantinos Mamouras

Dimosthenis Kyriazis

Konstantinos Tserpes

Anastasios Doulamis

Theodora Varvarigou

National Technical University of Athens

Dynamic Data Replication in QoS-aware Data Grids considering Network Overheads

12h35 Lunch**Wireless grids**

Chair: Frank Fitzek

Aalborg university, Denmark

13h30

Tina Balke

University of Bayreuth, Germany

Challenges for Social Control in Wireless Mobile Grids

13h50

Eliza Consuela Isbasoiu

Spiru Haret University, Romania

Services for Numerical Calculation

14h10

Tatiana Madsen

Aalborg university, Denmark

Different Strategies for Network Coding in Local Interchange Scenarios

14h30

João Paulo Pereira

ESTiG - IPBragança, Portugal

Architecture to Integrate Wireless Grids and Broadband Access Networks

14h50

Péter Vingelmann

Budapest University of Technology and Economics, Hungary

Frank Fitzek

Aalborg University, Denmark

Implementation of Random Linear Network Coding using NVIDIA's CUDA toolkit

15h10 Coffee break**Optical grids**

Chair: Kyriakos Vlachos

RACTI, Greece

Co-chair: Dominique Verchère

Alcatel-Lucent Bell Labs, France

15h30

Richard Douville

Alcatel-Lucent Bell Labs, France

(invited)

16h00

Ashwin Gumaste

IIT Bombay, India

Mallik Tatipamula

Juniper, USA

Ahmed Guetari

Juniper, Greece

IIT Mumbai, India

Cloud Computing using Advanced Optical and Ethernet Technologies (invited)

16h30

Sergio Figuerola

Jordi Ferrer

i2cat, Spain

Network interfaces for Grid applications, functionalities and services (invited)

17h00 End of GridNets 2009.