GridNets 2006

Third International Workshop on Networks for Grid Applications

ICST   IEEE   CREATE-NET

Co-located with IEEE Communications Society/Create-Net Broadnets 2006

San Jose, California, USA, October 1-2, 2006

CALL FOR PARTICIPATION

IEEE Communications Society/Create-Net workshop GridNets is an international workshop focusing on networks for Grid Application. Please visit the website for details : ***http://www.gridnets.org***
Grid developers and practitioners are increasingly realizing the importance of an efficient network support. Entire classes of applications would greatly benefit by a network-aware Grid middleware, able to effectively manage the network resource in terms of scheduling, access and use. Conversely, the peculiar requirements of Grid applications provide stimulating drivers for new challenging research towards the development of Grid-aware networks.

Preliminary program:

Keynote speeches by Mathieu Goutelle from EGEE project & Michiaki Hayashi from KDDI Labs

Session "*Network service provisioning system for Grid applications*"
    End to End Bandwidth Allocation and Reservation for Grid applications
    TeraPaths: End-To-End Network Path QoS Configuration Using Cross-Domain Reservation Negotiation
    Lambda Station: On-Demand Flow Based Routing for Data Intensive Grid Applications over Multitopology Networks
    Intra and Interdomain Circuit Provisioning Using the OSCARS Reservation System

Session "*Network monitoring and performance measurement*"
    Federated Network Performance Monitoring for the Grid
    Transparent Optimization of Grid Server Selection With Real-Time Passive Network Measurements
    Evaluation of network distance properties: NDS the Network Distance Service
    XIOPerf : A Tool For Evaluating Network Protocols

Session "*Grid resource reservation: model and algorithm*"
    Grid Resource Management by means of Ant Colony Optimization
    Triumph of the Bandwidth Commons: Elastic Reservations, Price Incentives, and Request Realignment in LambdaGrids
    Graded Channel Reservation with Path Switching in Ultra High Capacity Networks
    A Flexible Advance Reservation Model for Multi-domain WDM Optical Networks
    A Dynamic Data Grid Replication Strategy to Minimize the Data Missed

Session "*New architecture*"
    The Design and Demonstration of the Ultralight Network Testbed
    Grid services over IP Multimedia Subsystem
    An Integrated Accounting and Charging Architecture for Mobile Grids
    A Hybrid Optical Burst/Circuit Switched Ingress Edge Router for Grid-enabled Optical Networks

Industry panel

Tutorial "Grid InterNetworking" by Michael Welzl

The final program consists of 17 high quality papers representing the latest advances in the above fields. Please visit the workshop website for details: http://www.gridnets.org