

CESNET 2006

conference

6–8 March 2006

Prague, Czech Republic

■ Ten Years of CESNET

The CESNET Conference 2006 is organised by CESNET to celebrate its 10th anniversary. At the same time, this conference is also intended to initiate a tradition of regular annual or bi-annual conferences focusing on advances in high-speed communication technologies, Grids, related middleware and their sophisticated applications.

CESNET was established on 6 March 1996 as an association of major Czech universities and the Czech Academy of Sciences with the aim of building and developing the national broadband computer network for science, research and education. From the very beginning of its existence, CESNET has assumed a leading position in the research and development of high-speed networks and communication technologies in the Czech Republic. Shortly after its foundation, CESNET joined the international networking community where its specialists have been actively participating in international research projects since 1997.

Nowadays, CESNET operates and develops the CESNET2 national research network and performs applied research in a number of areas such as optical transmission technologies, programmable hardware, Grids, network monitoring, authentication/authorisation infrastructure and mobility. CESNET participates in the pan-European projects GN2 and EGEE as well as other international activities.

More information about CESNET is available from <http://www.ces.net/>

■ Conference topics

The conference sessions will focus on the following topics:

Optical networks: deployment of advanced optical networks in production, wide-area testbed or laboratory environments. Design kits of transmission equipment design, FPGA applications in optical networks, Optical Control Plane Issues etc. Network elements and devices acquiring, multi-sourcing, interoperation and integration.

IPv6: advances in mobile IPv6, IPv6 multicast, stateless and stateful auto-configuration, DNS administration and security, integration and transition strategies, novel IPv6 applications.

Network middleware: technical and organizational aspect of building federations for the international educational and research community in the following areas: authentication and authorization infrastructures, federation policies, using applications and resources in federated environments.

Monitoring: new methods in support and management of network traffic and infrastructure, including security and incidents handling, research results in creative monitoring methods and techniques, case studies of large scale monitoring infrastructures and their organization.

Grids: Grid development and deployment, interaction between Grids and network architectures, interaction among different grid architectures, Grid middleware, extensible Grid middleware architectures, Grid tools and user support systems, and advanced uses of Grids.

Applications: novel use of high performance networks in e-health (advanced telemedicine applications, telediagnosis, processing of medical data, ...), in collaborative environments, and in multimedia processing and distribution.

■ Submission

Full papers must be submitted in English, the official language of the conference, no later than 6 January 2006. Submissions should be sent using the paper submission form on <http://nlp.fi.muni.cz/cesnet06/>

■ Important dates

Notification of acceptance: 6 February 2006

Early registration closed: 10 February 2006

■ Programme Committee

Hans Döbbeling, DANTE, UK

Mark Ellisman, UCSD, USA

Jan Gruntorád, CESNET, Czech Republic (vice chair)

Eva Hladká, CESNET, Czech Republic

Tomáš Košnar, CESNET, Czech Republic

Erwin Laure, CERN, Switzerland

Simon Leinen, SWITCH, Switzerland

Ladislav Lhotka, CESNET, Czech Republic

Miron Livny, University of Wisconsin, USA

Diego Lopez, RedIRIS, Spain

Luděk Matyska, CESNET, Czech Republic (chair)

Jiří Novotný, CESNET, Czech Republic

Bob Riddle, Internet2, USA

Pavel Satrapa, CESNET, Czech Republic

Dimitra Simeonidou, University of Essex, UK

Milan Sova, CESNET, Czech Republic

Helmut Sverenyák, CESNET, Czech Republic

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Complete details about the submission, registration, programme and venue are available on the conference website <http://www.ces.net/conference06/>