

## Curriculum Vitae

# MIKHAIL STRIZHOV

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### EDUCATION:

Colorado State University, Fort Collins, CO, USA      May 2009-2014 (expected)  
Ph.D. in Computer Science  
Adviser: Dan Massey

Samara State Aerospace University, Samara, Russia      September 2004-June 2008  
B.S. in Applied Mathematics and Physics  
Adviser: Andrei M. Sukhov  
Thesis: Creation of a measuring infrastructure for quality studying flow-based applications in a global network.

### RESEARCH EXPERIENCE:

Research assistant      May 2009-Present  
Colorado State University, Fort Collins, CO, USA  
Member of the team that developing the BGPmon utility. BGP Monitoring System (BGPmon) is designed to monitor BGP updates and routing tables from BGP routers. It uses modular architecture to scalably monitor many BGP routers by distributed deployment while allowing a consolidated and neat interface to end users. BGPmon uses the Extensible Markup Language (XML) for BGP data. This format can accurately record BGP data without any information loss and it is extendable for possible new features in BGP updates.

### WORK EXPERIENCE:

Network Engineer      March 2006-May 2008  
Internet TV Ltd. ([www.ip4tv.ru](http://www.ip4tv.ru)), Samara, Russia

### PUBLICATIONS AND CONFERENCES:

#### PEER-REVIEWED PUBLICATIONS

1. A.P. Platonov, D.I. Sidelnikov, M.V. Strizhov, A.M. Sukhov. Measuring infrastructure for quality studying of connections in the Russian Internet segment. *Telecommunications*, 2009, v.1, p. 11-16 (in Russian) (English version published in *Telecommunications and Radio Engineering*, Begell House. Inc.).
2. A.P. Platonov, D.I. Sidelnikov, M.V. Strizhov, A.M. Sukhov. Criterion of internet connection quality. *Telecommunications*, 2007, v.8, p. 24-28 (in Russian) (English version published in *Telecommunications and Radio Engineering*, Begell House. Inc.).
3. A. Klimenkov, A. Platonov, M. Strizhov, A. Sukhov. Organization of a direct broadcasting on the basis of Internet technologies. *Telecommunications*, 2007, v.12, p. 12-15 (in Russian) (English version published in *Telecommunications and Radio Engineering*, Begell House. Inc.).

## CONFERENCES AND WORKSHOPS

1. N. Alekseenko, I. Bondarev, A. Eremin, M. Strizhov. Mobile gateway in research and education of Internet TV. Information-telecommunication systems, Informika, 2006, p. 220.
2. I. Bondarev, A. Eremin, A. Platonov, M. Strizhov, A. Sukhov. Scientifically-educational Internet telecasting, conference. Scientific service in a network the Internet: technologies of parallel programming, MSU publishing house, Novorossiysk, 2006, p. 193-195.
3. A. Eremin, D. Dolgikh, A. Illin, A. Platonov, M. Strizhov, A. Sukhov. Measures for introduction of multicasting dispatch of multimedia messages. Conference Russian Electronic Academic & Research Network Association (RELARN), Barnaul, 2006, p. 26-28.
4. A. Eremin, A. Platonov, M. Strizhov, A. Sukhov. Scientifically-educational Internet-TV on the basis of the Samara regional network of a science and formation. Conference Telematika, 2006, St. Petersburg, tome 1, p. 214-215.

## TECHNICAL PRESENTATIONS

1. A. P. Platonov, D. I. Sidelnikov, M. V. Strizhov, A. M. Sukhov. Estimation of available bandwidth and measurement infrastructure for Russian segment of Internet. RIPE 56 Meeting, Berlin, 5-9 May 2008 (arXiv:0803.1723).

## ACTIVITIES:

Musical School, Piano Department

September 1996-June 2003

Author of articles and assistant in Russian community of  
FreeBSD administrators

September 2006-Present

## GRANTS AND AWARDS:

Russian Foundation for Basic Research (RFBR) 06-07-89074-a.

Second prize in All-Russian contest of undergraduate and postgraduate students at Informika conference, Russia, 2006.

## SKILLS:

Language: Native speaker of Russian, fluent in English.

Computer:

Operating Systems: UNIX (FreeBSD, Solaris, Linux), Cisco IOS, Windows

Languages: C, C++, Java, Perl, Bash, Python, SQL (MySQL), PHP

## RESEARCH DESCRIPTION:

Bachelor Thesis: Creation of a measuring infrastructure for quality studying flow-based applications in a global network. December 2005-June 2008

Deploying Test Traffic Measurement (TTM) systems in Russia (Samara, Moscow, Rostov-on-Don) with RIPE Network Coordination Centre (RIPE NCC) to indicate key parameters (jitter, delay, etc.) in the Internet. This work has been supported by Russian Foundation for Basic Research (RFBR) under the grant 06-07-89074-a.

## REFERENCES:

Available upon request.

