



Construction of a Safer and Harmonious Internet for Children

为孩子构建安全和谐的网络环境

Liu Dong
2009-06-03

2009 World Telecommunication and Information Society Day Conference



"Safer Internet Environment for Children"- 2009 World Telecommunication and Information Society Day Conference.

Children can benefit greatly from being online, but they also face increasing dangers in cyberspace. How to construct a safer and harmonious online environment is an important topic at the conference. The combination of 3G and Internet, will bring new experience for consumers, especially for children and adolescents.

Index

◆ **China Internet Market Status**

◆ **Children and Internet**

◆ **Construction of a Safer and Harmonious Internet Environment**

China Internet Market Overview

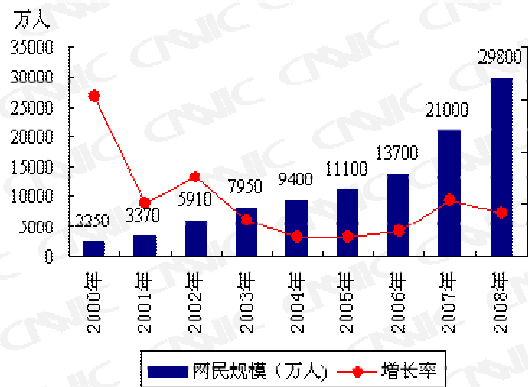


图1 2000-2008年中国网民规模与增长率

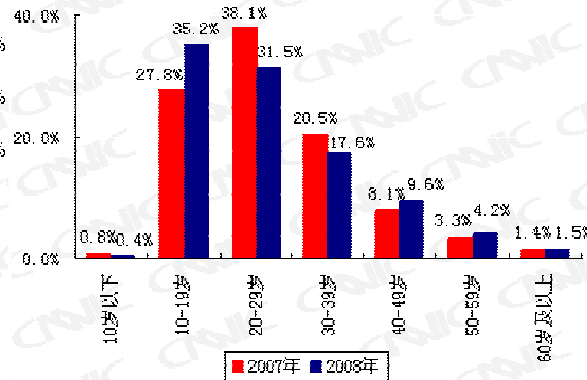


图2 2007-2008年网民年龄结构对比

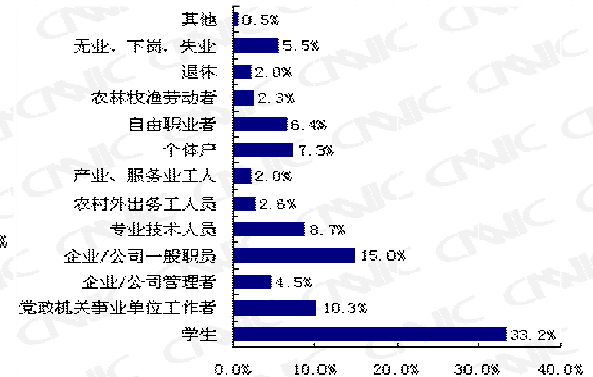


图3 网民职业结构

•IPv4 Addresses:

**181,273,344, rise 34.0%
than 2007**

•Backbone: 2.5-10G

**•IPv6 Addresses: 57 /32, BII
Group 16 /32**

**•Exchange Points: over
100G (Beijing, Shanghai,
Shenzhen)**

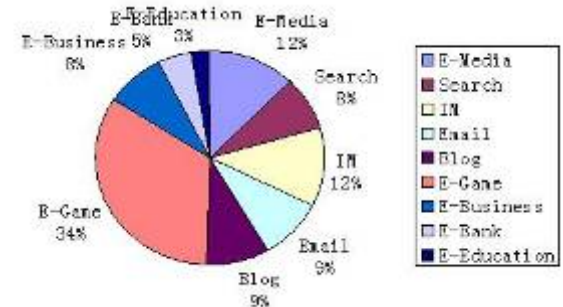
**•International Links:
640,286.67 Mbps, rise
73.6% than 2007**

**•Domain names: 16,826,198,
rise 41% than 2007**



China Internet Market Increase Steeply

Source: CNNIC, 2009.01



Internet Access Adoptions		Proportion to Total Users	Users (million)
Broadband Access		90.6%	270
Narrowband Access	Cell-phone	29.97%	117.6
	Others	12.72%	11.50

China Mobile Internet Market Overview (1)

- Mobile Phone User: 641.23 million, nearly 29.97% of the total are using mobile internet service (Source: MIIT)
- Three big carriers reorganization: ChinaTelecom, ChinaMobile, ChinaUnicom
- 3G licenses were issued in January 2009 and China carriers deploy their 3G/BWA services

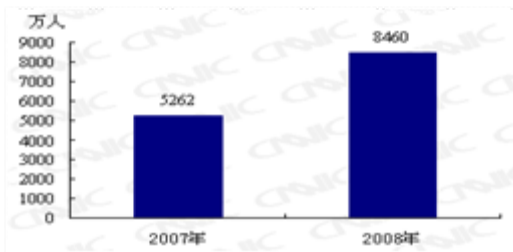


图 1: 2007-2008手机上网网民规模对比

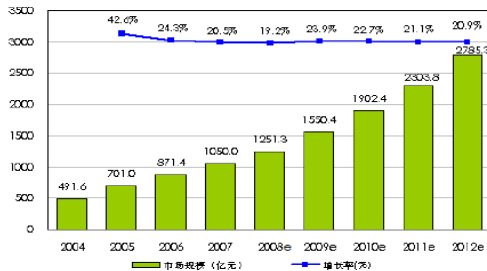


图 2: 2004-2012移动增值市场规模

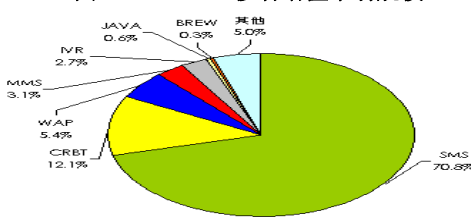


图 3: 2008移动增值业务各细分市场收入

Mobile Internet user increase to nearly one time during 2008. Potential user: **200 million**, 2.5 times against 2008

Mobile Internet Increment market increase soon. With the development of 3G application, more in the future

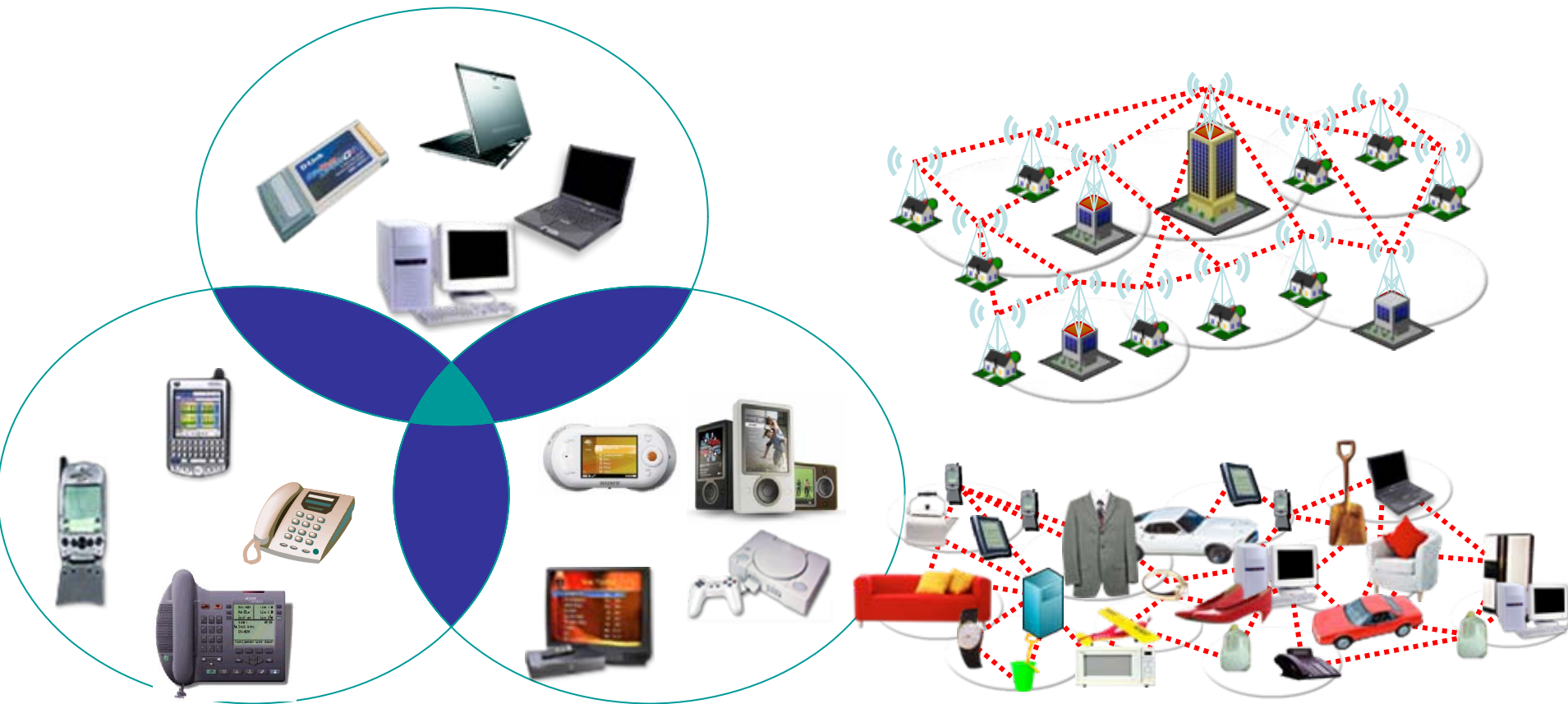
New Mobile Internet application, such as: 3G application need high quality of Internet services

**Convergence
Mobility
Internet**

Telecom companies face:

- More mobile internet users;
- More attractive applications;
- More high quality services;

China Internet Development Trend



Owing to 3C combination, mobile phone, PC, netbook and consumer electronics can reach Internet anytime and anywhere. Everyone has the chance to touch the Internet. Also 3G network will bring more rich applications, which will attract more netizens. Mobile Internet will also have a giant leap in China.

Internet Applications

The present top 10 Internet APP.

- | | | | |
|---|-----------------|----|-------------|
| 1 | Internet Music | 6 | E-mail |
| 2 | Internet News | 7 | Online Game |
| 3 | Instant Message | 8 | Blog/Space |
| 4 | Internet Video | 9 | Forum/BBS |
| 5 | Search Engine | 10 | E-commerce |

At present, the top 10 Internet applications are: Internet music, news, instant message, Internet video, search engines, e-mail, online games, blog/space, forum/ BBS, and E-commerce. Among the top ten applications, three major network applications are for entertainment - Internet music, video and online games. So the main purpose of Chinese netizens is for entertainment.

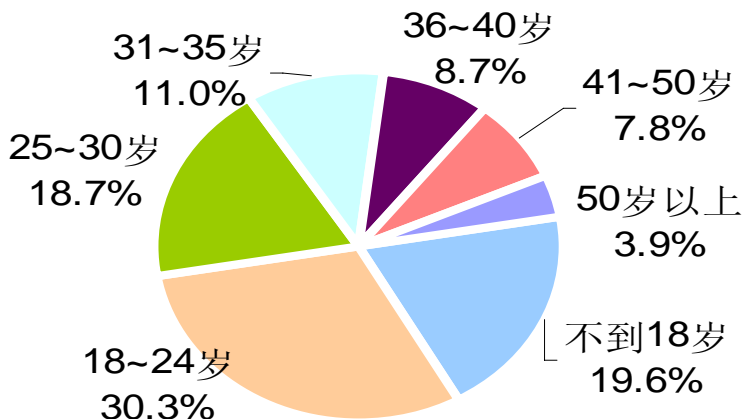
Status of Chinese Netizen



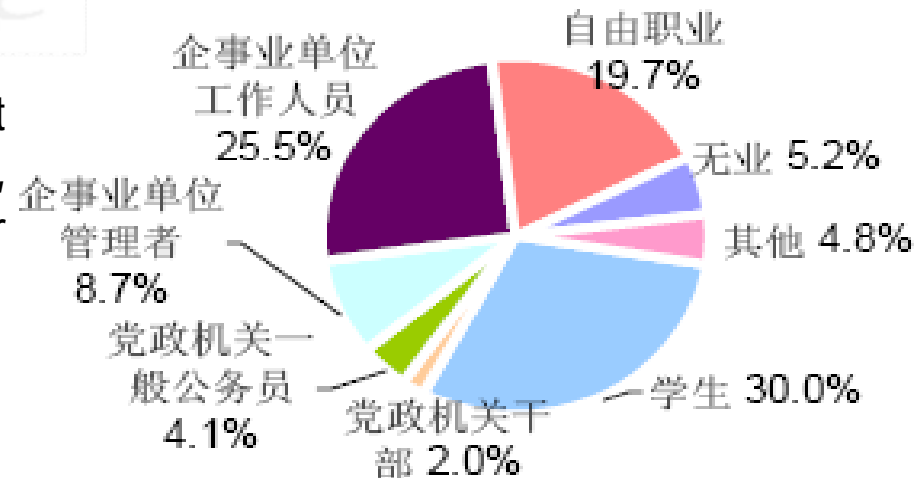
The scale of the Chinese netizens shows the trend of rapid growth. At the end of 2008, the scale of China's netizens reached 298 million, representing a 41.9% growth compared to 2007.

Students accounted for 30 percent, the largest proportion, and reached the scale of 76 million, which increased 15.52 million than December

网民年龄结构



网民身份结构



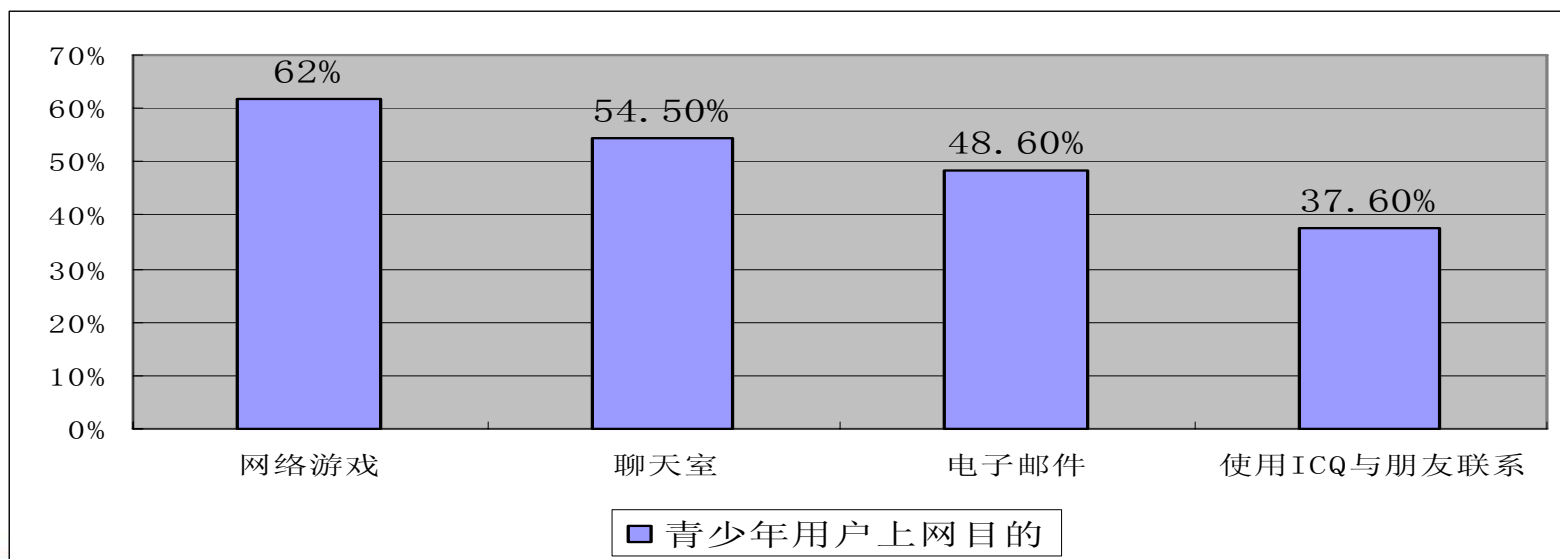
30-year-old and below group is the main body of Chinese netizens, accounting for 68.6% more than 2/3 of the total number, in which the group under the age of 18 accounts for 19.6%.

Index

- ◆ **China Internet Market Status**
- ◆ **Children and Internet**
- ◆ **Construction of a Safer and Harmonious Internet Environment**

Purpose and Need for Children Online

- Practical purposes, entertainment purposes, the use of network technology and information search.
- Utilization rate of applications: online games (62%) , chat rooms (54.5%), e-mail (48.6%).
- About 50% of young users to maintain relationship with friends; 25.2% to use chat room or BBS; 37.6% to communicate with strangers through QQ or MSN.
- The needs of young people online are "access to information", "personal interest", "improve learning efficiency," and "making new friends."



Advantages to Children

Internet could bring a new world for Children!

1

Internet provides a learning campus and knowledge database for young people, learning courses, communication with teachers, asking questions, it is a new way to access to knowledge.

Internet could help broaden young people's vision, enhance communication and social participation, develop the potential ability.

4

Computer skill is one of the five basic skills for young people, which will bring great help and success opportunities.

Children

2

Traditional media has been unable to meet the so many interests of young people. The huge capacity of information resource of Internet meet the needs of young people.

3

Disadvantages to Children

- Due to the limitation of age, young people has lower identification power of new things. Many primary and secondary school students indulge in virtual world, abandon their studies, and even resort to crime.



China Internet Addiction Data

As illustrated in the right graph: Primary and secondary student(23.2%), unemployed or without regular employment (21.0%), Vocational School students (20.5%), government / institution staff (9.1%), high school students (10.1%)

From the blow graph: Male adolescent Internet addiction (17.07%) is higher than female (10.04%) by 7%.

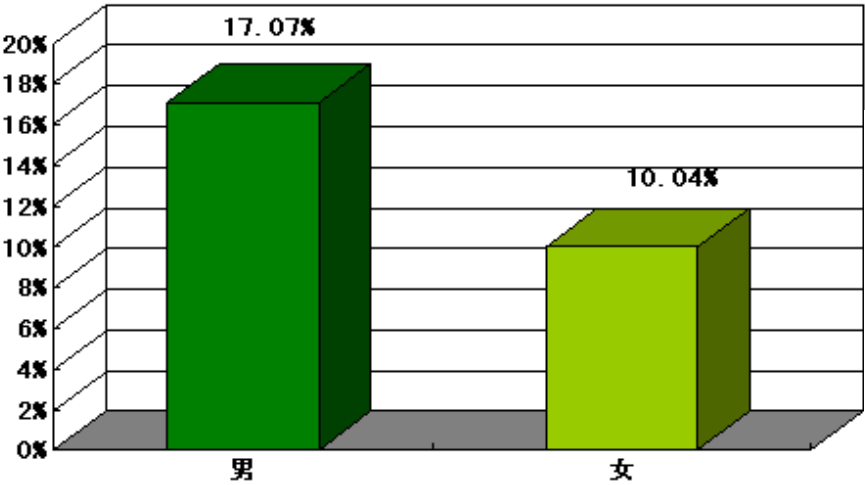


图 2-3: 男女上网成瘾比例比较

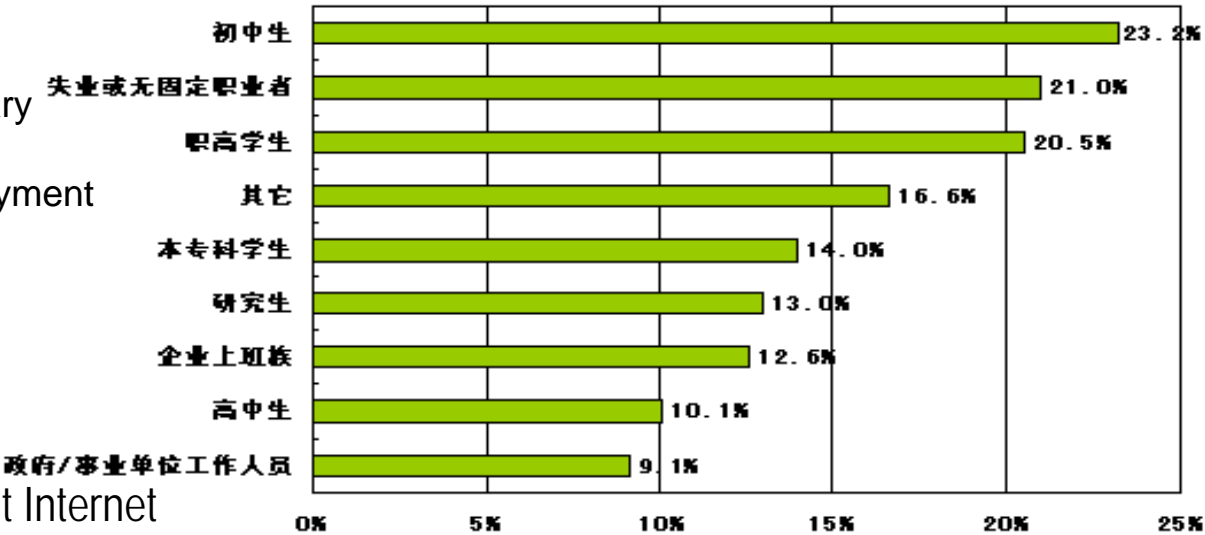


图 2-6: 不同职业的网瘾分布

13 to 17-year-old adolescent Internet addiction (17.10%) is the highest, from the overall trend, with age growing, the proportion of Internet addiction decrease accordingly.

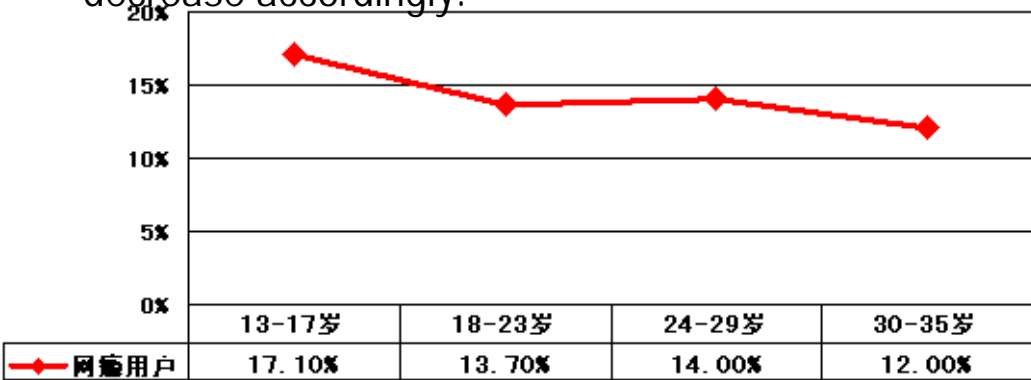


图 2-5: 网瘾在不同年龄上的分布

Index

- ◆ **China Internet Market Status**
- ◆ **Children and Internet**
- ◆ **Construction of a Safer and Harmonious Internet Environment**

Construction of Green Online Environment

Family School

- ◆ **Strengthen communication**
- ◆ **Enhance Internet safe and awareness education**
- ◆ **Good habit of Internet surfing**

Govern ment

- ◆ **Provide healthy, green, safe Internet environment for Children through guidance**
- ◆ **Encourage establishment websites and intelligence game**

Industry

- ◆ **Internet industry, including operators, solution providers, and content providers should take providing a healthy Internet environment as the primary task.**

Give guidance to the young people to combine Internet surfing and learning closely together to obtain fun from learning, to avoid addiction in games. On the other hand, the unhealthy information should be monitored through technical methods.

Shi-Jia Primary School

<http://www.shijia.org.cn/>



首页 | 文章 | 精华 | 用户推荐 | 标签 | 相册 | 圈子 | 博客 | 博客之星

用户名: 密码: 验证码:  ☐ 记住密码

Search: 日志标题



最热评论日志

top 3

- 01 卓立校长关于2009年5月5日网上家...
- 02 第一回我从来不干近水楼台先得月...
- 03 食堂今天对五年级学生进行了退费2...

一周热门日志

top 10

- | | |
|--------------------------|------------|
| 语文七单元试卷分析20090520 | lvminsang |
| 夸夸我家会给宝贝穿衣服的家长20090520 | lvminsang |
| 数学考试汇报20090520 | lvminsang |
| 数学第六单元分析及满分同学 | 张牧梓 |
| 第十四周周末事宜(2) | weiyinglin |
| 语文卷子有两位家长没有签字请补签20090521 | lvminsang |
| 语文第六单元试卷分析 编号11 | 张牧梓 |
| 你什么时候可以不说了? 20090522 | lvminsang |
| 今天发秋季校服了明天收下个月的早点钱101... | lvminsang |
| 社会实践作业 | leyouyou |

博客相册



合练情况



一年级



宝贝天地



我的作品



开心的我



我的风采

最新相片



东京猫猫们! ...



加入少先队



和卓校长的幸...



坐在教室里



在入学欢迎仪...



2005年9月1日

Conclusion

- China has large scale of netizens, also the number is growing at a very high speed in China.
- Internet can bring both benefit and danger to children.
- Family, school, government and industry all should pay attention to constructing a safer and harmonious Internet environment for children.
- International cooperation and experience sharing should be launched.
- Different measures should be taken according to different culture.

Appendix: Liu Dong's Profile



- **Enterprise Position**
 - CEO and President of Beijing Internet Institute
 - CEO and President of BII Group Holdings Ltd.
- **Industry and Academic Positions**
 - From 2001, Co-founder and Board, China Internet Society
 - From 2001, Advisor, ICANN Government Advisory Community of MII (Ministry of Information Industry)
 - From 2003, Board & Fellow of IPv6 Forum, Chair of China IPv6 Council
 - From 2005, Founder & Chair, Z-Park NGI (Next Generation Internet) industry Alliance
 - From 2005, Member of Expert Working Group, China Next Generation Internet Project (CNGI Project)
 - From 2005, Director of WiMAX Forum China Region
 - From 2008, Chair of China Wireless City and Mobile Internet Forum Expert Committee
 - From 2004, Member of Expert Consultative Committee, “Digital Signature Law” Committee, State Council Law Office, “Telecommunication Law” Committee of State Council Law Office
 - From 2008, Chair of IEEE Green IT Working Group
 - From 2009, Member of Information Industry Development “12th Five Year Program” Working Group
 - Member, Asia Broadband Forum
- **Professional Awards and Honors**
 - April 2004, “IPv6 Internet Pioneer Award”, granted by Dr. Vint Cerf on behalf of Global IPv6 Forum
 - 2005, “Top 100 Elite”, granted by SINA.COM (China largest Portal)
 - 2007, Win “Z-Park Innovative Enterprise Top 100”, granted by Beijing Municipal Government, China Science and Technology Ministry, China Academy of Science
 - 2008, Win the “Scientific Olympic Pioneer Award” of IPv6 Surveillance System R&D, granted by 2008 Beijing Olympic Organization Committee
 - 2008, Most Influential Person in Z-Park 20 Anniversary, awarded by Beijing Municipal government

Thank you!