





Welcome

Minister Biltgen

Mr. Carlo Simon

**Centre de Communications
du Gouvernement
Ministère d'État**





IPv6

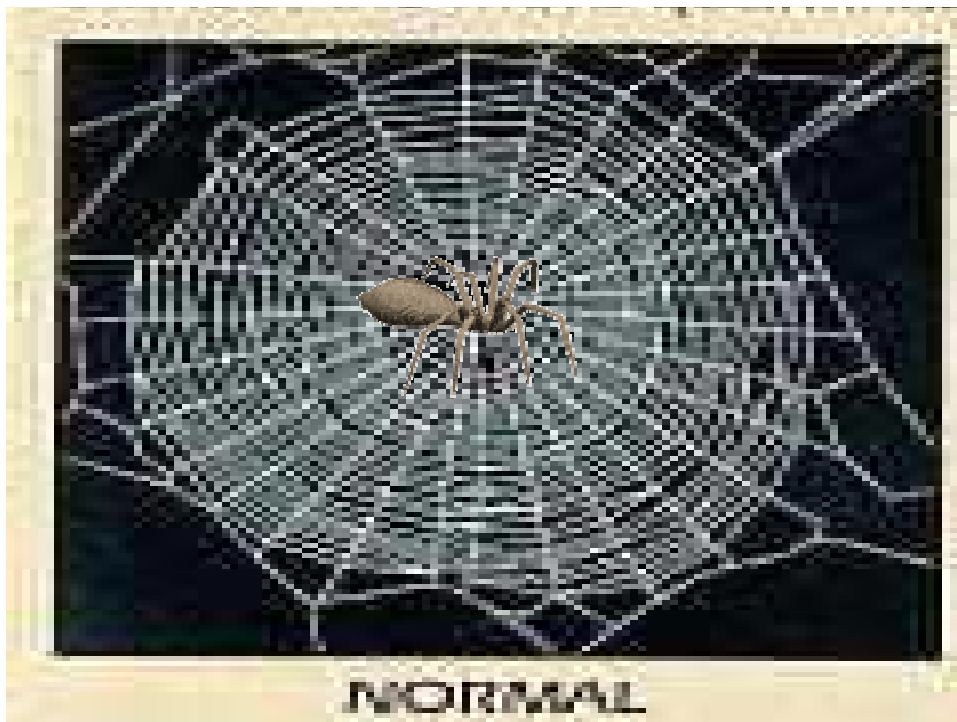
Two-way Internet

HOST-2-HOST

Peer-2-Peer

GRID-2-GRID

ANY-2-ANY





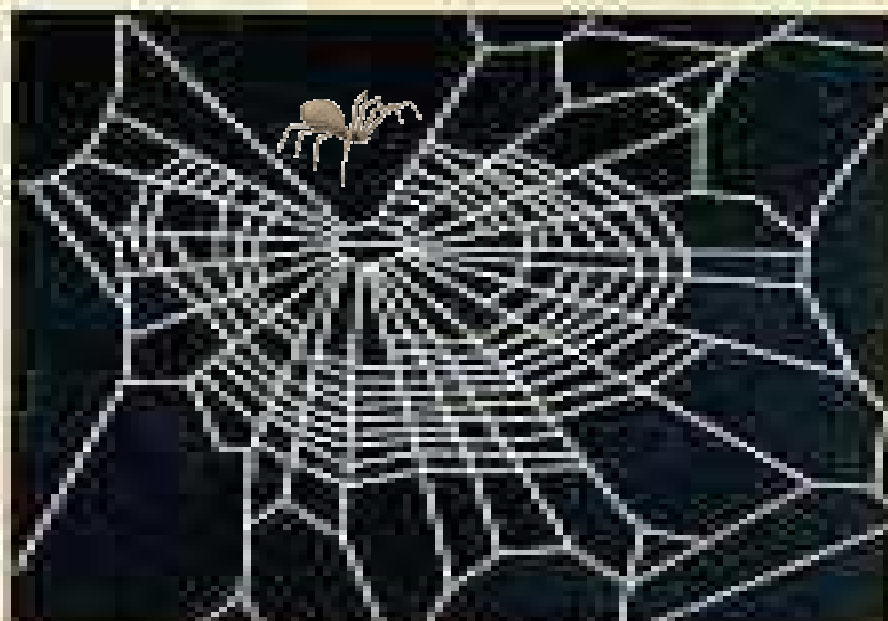
NORMAL



CAFFEINE



NORMAL



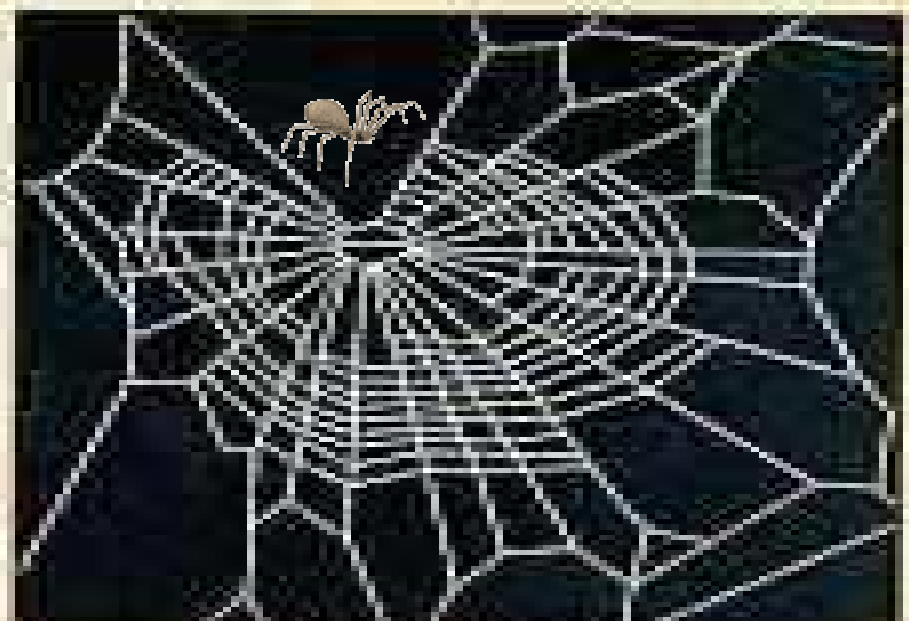
MARIJUANA **NAT**



CAFFEINE



NORMAL



MARIJUANA **NAT**



CAFFEINE



BENZODIAZEPINE **STUN-ned**



Internet Penetration 10% vs.
Addressable Market 68%

**INTERNET
IS RESERVED
FOR THE ELITE
OF THE
WORLD**

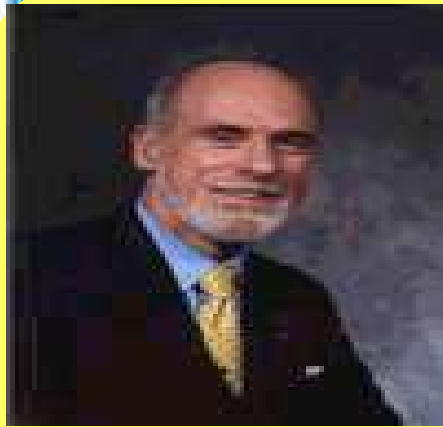
World
Has

D
%

IANA
Reserve
32 %

Internet Po 20% vs.
Address 380/8

**INTERNET
IS INDEFINITELY
RESERVED
FOR THE ELITE
OF THE
WORLD**



**”Running out IP
Addresses is like
running out Oil!”**

Vint Cerf 2004

No Urgency

Some Urgency

Emergency



**” IPv6 Forum!
Cool! That’s the
way Foorward”
Jim Bound - Feb 1999**

Will play with it!

Wish to see it!

Need it!

IPv6 FORUM

Supported by:



**The 21st Century
Truly Global Effort**

IPv6 Forum BOARD

- Honorary Chairman: Vint Cerf



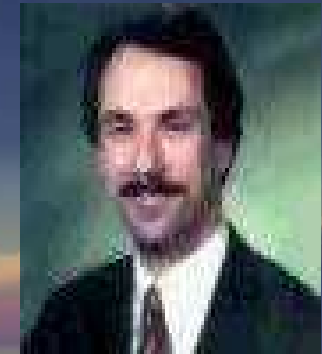
Latif LADID
President



Jim Bound
CTO



Bob Hinden



Marc Blanchet,



Patrick Cocquet, VP



Bob Fink



Takashi Arano



Liu Dong



IPv6 Technical Directorate

Chair: Jim Bound



Steve Deering



Scott Bradner



Brian Carpenter



Christian Huitema



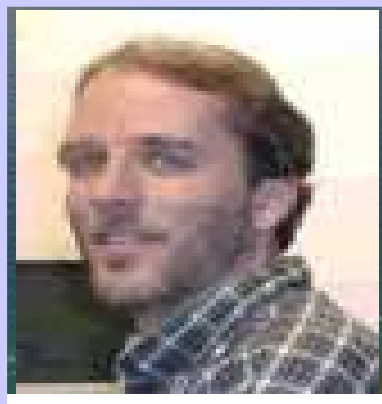
Allison Mankin



Yanick Pouffary



Charlie Perkins



Thomas Narten



Erik Nordmark



Thomas Ecklund



Political Goodwill



Political Goodwill

Sep 2000



Dr. Jun Murai



Japan: First Mover
PM Mori

u-Japan 2005

Political Goodwill

Feb 2001



Yong-Jin Kim



Korea: 2nd Mover
IT 8-3-9 Strategy
Chin Dae-je
Minister of MIC

Political Goodwill

Feb 2001



eEurope 2005

i2010

Erkki Liikanen Joao Da Silva Mario Campolargo Ulf Dahlsten

Security & Defence Industry



Jim Bound
CTO IPv6 Forum
Chair NAv6TF



Oct 2002

Oct 2002



Richard Clarke



Howard Schmidt



John Osterholz



Marilyn Kraus

Political Goodwill



Liu Dong
China
IPv6 Council

Nov 2003



Dr. Wu Hequan
VP, Chinese
Academy of Engineering



Political Goodwill



Patrick Cocquet
VP
IPv6 Forum

Oct 2003



FRANCE
Claudie Haigneré
Minister of R&D
2003

Political Goodwill



Gopi Garge
VP
IPv6 Forum
India

May 2004



Minister Maran



Mr. Satyen Gupta, TRAI

INDIA
Dr. Govind, MCIT
Ten Point Agenda
Point 6 is IPv6 by 2006
May 2004

Political Goodwill

Luxembourg
IPv6
TASK FORCE

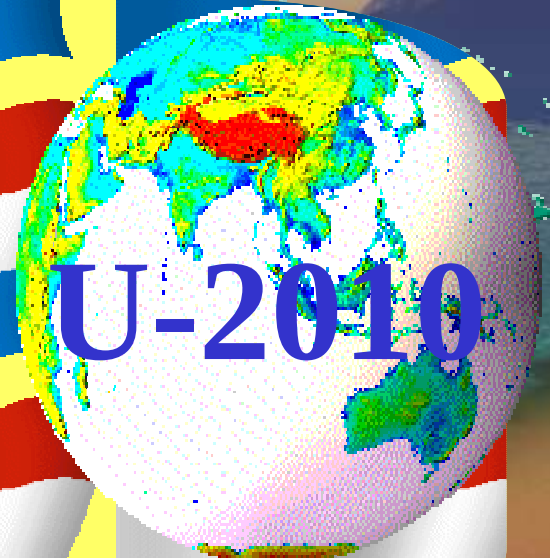
July 2005

© SIP



François Biltgen

ASTRA
6SAT



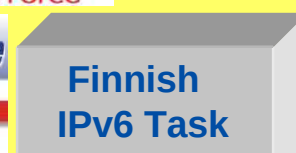
Minister Biltgen --- Carlo Simon - CCG





IPv6 Forum Chapters (10)

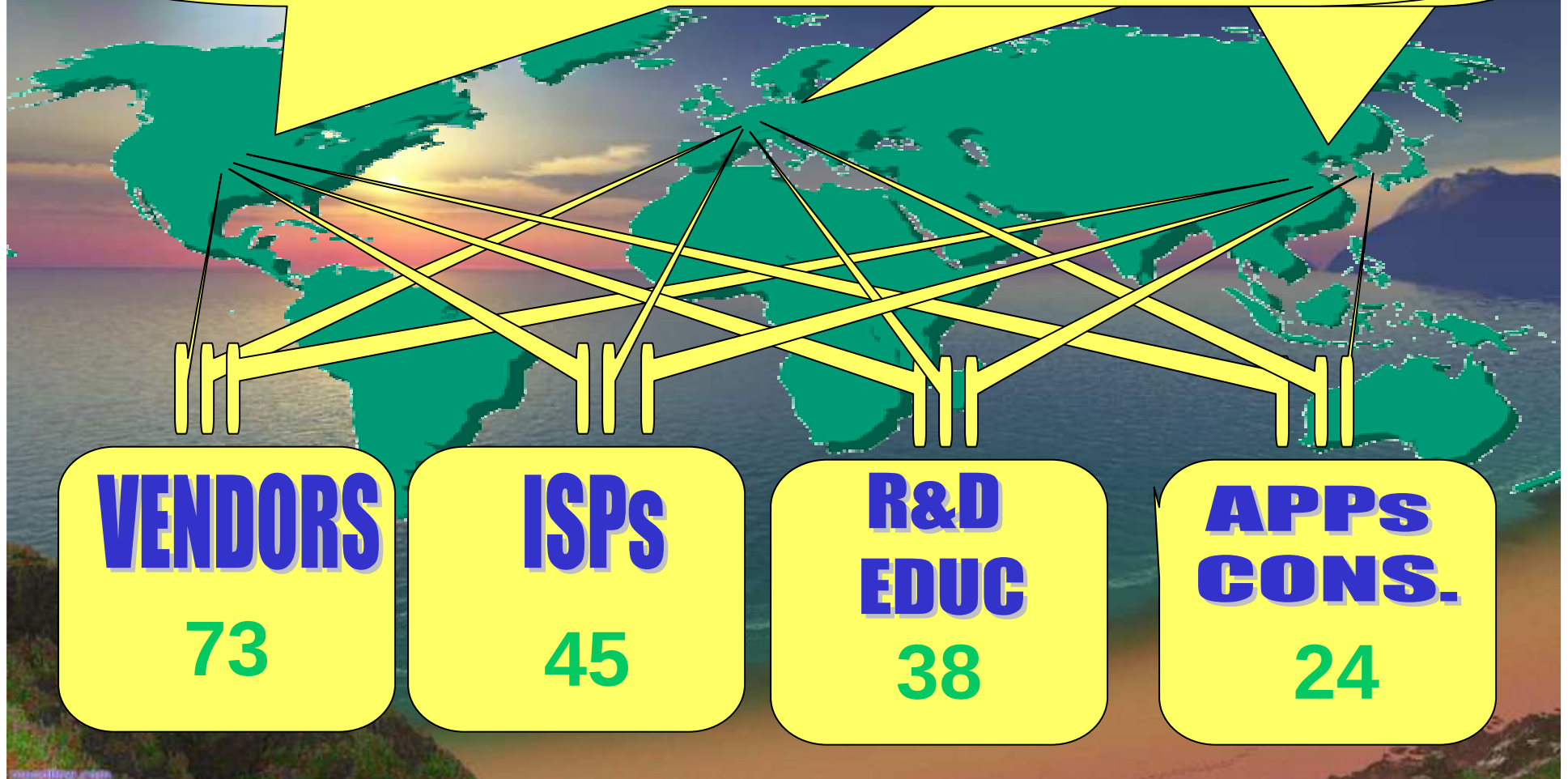
IPv6 Task Forces (20)





IPv6 Forum Organisation Members

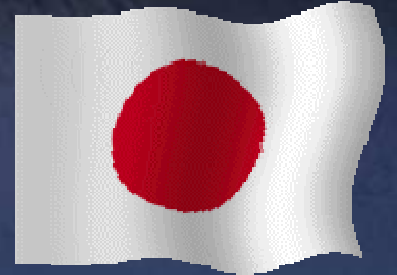
180
Worldwide



IPv6 Leaders



Dr. Jun Murai



Dr. Osamu Nakamura



Dr. Hiroshi Esaki



**Satoshi Ishiyama,
NTT Communications**



Kosuke Ito



Takashi Arano



Hiroshi Miyata



Kazuhiko Yamamoto



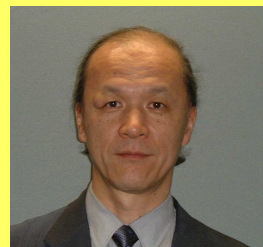
Shin Miyakawa



Toru Takahashi



Kazuo Furukawa, Hitachi



Yasuhiko Ito, KDDI



**Yasumori Ihara,
TOYOTA MOTOR**



**Akira Nagashima,
Yokogawa Electric**



**Teruhiko Moriyama
Mitsubishi Research**



IPv6 Leaders



**President
Dr. HyeongHo LEE**



**HyoungJun KIM
Director/IPv6 Forum Korea**



IPv6 Forum Korea Leading Members



Jim Bound
CTO IPv6 Forum
Chair NAv6TF

IPv6 Leaders



**Major Roswell
Dixon**



Carl Williams



Yurie Rich



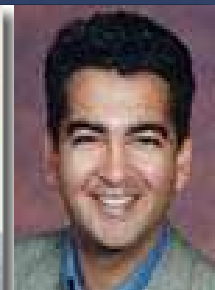
Yanick Pouffary



Larry Levine



Ben Schultz



Junaid Islam



Tony Hain



Joya Subhudi



David Green



Gene Gronk



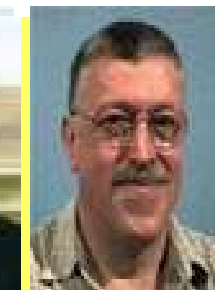
Michael Brig



Renee Esposito



Rick Summerhill



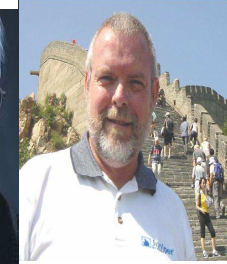
Yves Poppe



Patrick Grossetete



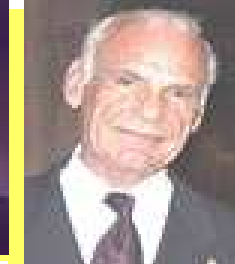
Tom Patterson



Jeff Doyle



Leigh Huang



Dr. Lawrence



John Loughney



Terry Davis



Geof Lambert

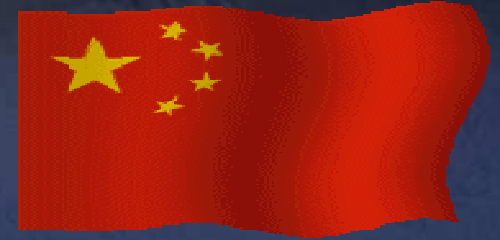


Richard Graves

IPv6 Leaders



Liu Dong
China
IPv6 Council



Jiang Lintao



Li Xing



Ricky Lu



Hou Ziqiang



Lei Zhenzhou



Li Guojie

IPv6 Leaders



Patrick Cocquet



Tim Chown



David Kessens



Olaf Bonness



Ger van der Broek



Bernard Tuy



Bosco Fernandes



Jose Fernandes



Tayeb Ben Meriem



Peter Kirstein



Paul van Binst



Rosette Vandenbroucke



Juergen Rauschenbach



Wolfgang Fritsche



Timo Leppinen



Karim El Malki



Silvia Hagen

IPv6 Leaders



Jay Chandra.K
President
IPv6 Forum
India



Gopi Garge



The Team

Saishree,
Mallik Prasad,
Anil Mathur,
Anil Valluri,
Dr.S.Jagannathan,
Dileepan Moorkanath

IPV6 Forum Pioneer Award



Steve Deering (Dubai 2001)



Jim Bound (Seoul 2001)



Jun Murai
(Beijing 2002)



Hiroshi Esaki
(Santa Monica 2004)



Dr. Wu Hequan



Major R.V. Dixon
(Santa Monica 2004)



Yanick Pouffary
(San Diego 2003)



Jay Chandra.K



Hemanth D. Gopi



Liu Dong (Beijing 2000)



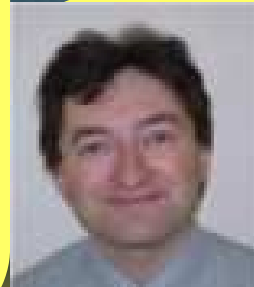
Michael Brig
(San Diego 2003)



Ben Schultz
(Santa Monica 2004)



Yurie Rich



Tim Chown
(Madrid 2003)



Jordi Palet
(Madrid 2003)



Patrick Grossetete
(San Diego 2003)

IPv6 Forum Fellows



Yanick Pouffary



Tony Hain



Carl Williams



Hua Ning

IPv6 Ready Logo Program

2003/2004:

137 Products



Dr. Hiroshi Esaki



22

5

110



Ben Schultz



Cesar Viho



Hiroshi Miyata



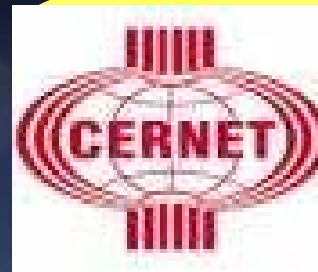
IPv6

New Economic Expansion

New Lifestyles

On the New Net

Research & Deployment



Luxembourg



v6 ISP Deployment

VERIO

An NTT Communications Company

TELEGLOBE

IIJ, NTT Comm/VERIO, NTT-East,
DTI, PoweredCom, Nifty, JapanTelecom,
KDDI, AT&T JENES, MEX,
STNet, HTCN, Freebit, Miako, Biglobe



6.1.2005:

1150 IPv6

179

598

360

13

15 ISPs



TeliaSonera

Telefonica



france telecom



CNGI
Conference
2004

- KT (Korea Telecom)
- DACOM
- HANARO
+ 70 SME ISPs

Broadband Access



Europe



India BB

BBTTH – 2008

20 Mio Users

e-Taiwan

BBTTH – 2008

6 Mio Users

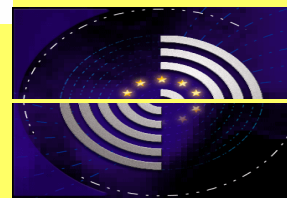
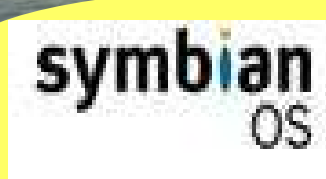


Japan

Winning Industry: 3G



Building on 1.6 Billion Cell Phones



Winning Defence



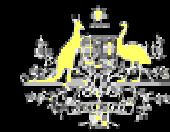
Germany



France



Korean



Australian Government
Department of Defence

Winning GRID



KREONet2



Winning Microsoft



Jawad Khaki

Microsoft

Longhorn
P2P



Car Industry



Building on 0.4 Billion Cars

CISCO SYSTEMS



CAR 2 CAR
COMMUNICATION CONSORTIUM



Consumer Electronics



Microsoft



NOKIA
CONNECTING PEOPLE

PHILIPS

SONY

TOSHIBA

SAMSUNG

LG Electronics

Panasonic
ideas for life



パン・チルト・
ズームタイプの
IPv6対応
ネットワークカメラ



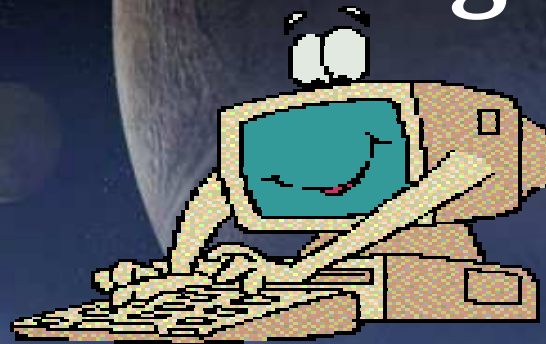
BB-HCM381

Home Networking

DLNA
Digital Living Network Alliance


ZigBee™
Alliance

UPnP™
FORUM



CENELEC


Net-at-Home™
2004
Your Gateway to the Markets


The Internet xEngine.

Feel6
IPv6 Centrex

Internet Security



COMPUTER AND NETWORK
SECURITY
TASK FORCE



SECURITY
TASKFORCE



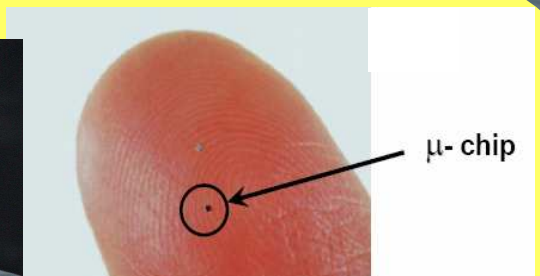
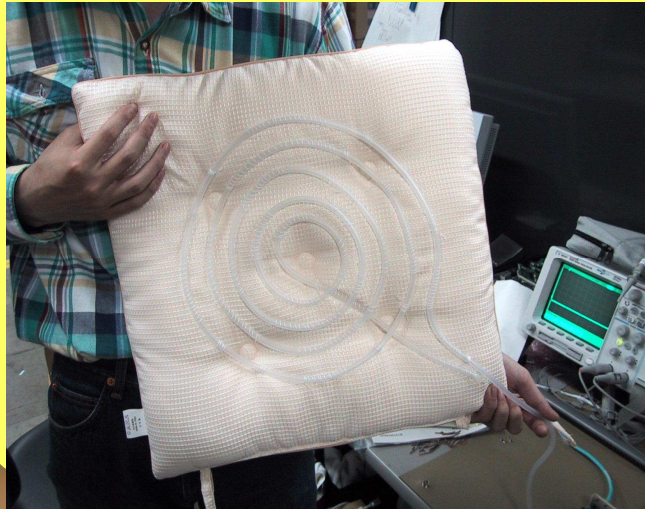
In the making: v6 Devices



RF-ID &
PDA
NOKIA



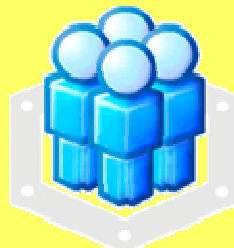
Bio Sensors



Still To Do WW: v6 P2P



Project
JXTA



gnutella.com

Jabber SoftwareFoundation



Global IPv6 Showcases



GALLERIA v6
インターネット新体験ゾーン

ipu6
IPv6 Promotion Council

NETWORLD+INTEROP 2004 PARIS

3-4-5 novembre 2004

Paris Expo
Porte de Versailles

Euro v6

China IPv6 ShowNet



KIESv6

Korea IPv6 Experience Sphere

한국전산원 IPv6 체험관

Taiwan v6Corner



Global v6 Apps Promotion

ORACLE



Presented by IPv6 Promotion Council



Push the possibilities of IPv6!

IPv6 Appli-Contest 2004



Google™

Luxemburg

SAP

IPv6アプリコンテスト2004
表彰式
END



Advocacy



ENTNET



What The Papers Say!



Carolyn Marsan

NetworkWorld
The Leader in Network Knowledge



Izumi Miki

IPv6style
ipv6style.jp

market WIRE™

CNN.com

PC
PC.MAG.COM



IPv6 Cluster



Information Society

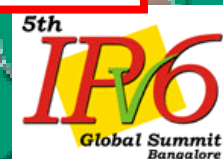
News



Global IPv6 Summits



The First Annual North American IPv6 Technology Conference conducted by the North American IPv6 Task Force



12 Summits in 2004 & 2005
24 000 Delegates in 2004
The Largest Non-formal IPv6 University

Some Barriers to take down!

**Initial Applications
Barriers**

**Initial Middleware
Software**

Initial Security

**General
Barriers to IPv6
Deployment**



**Courtesy:
Jim Bound**

**Initial Network
Infrastructure**

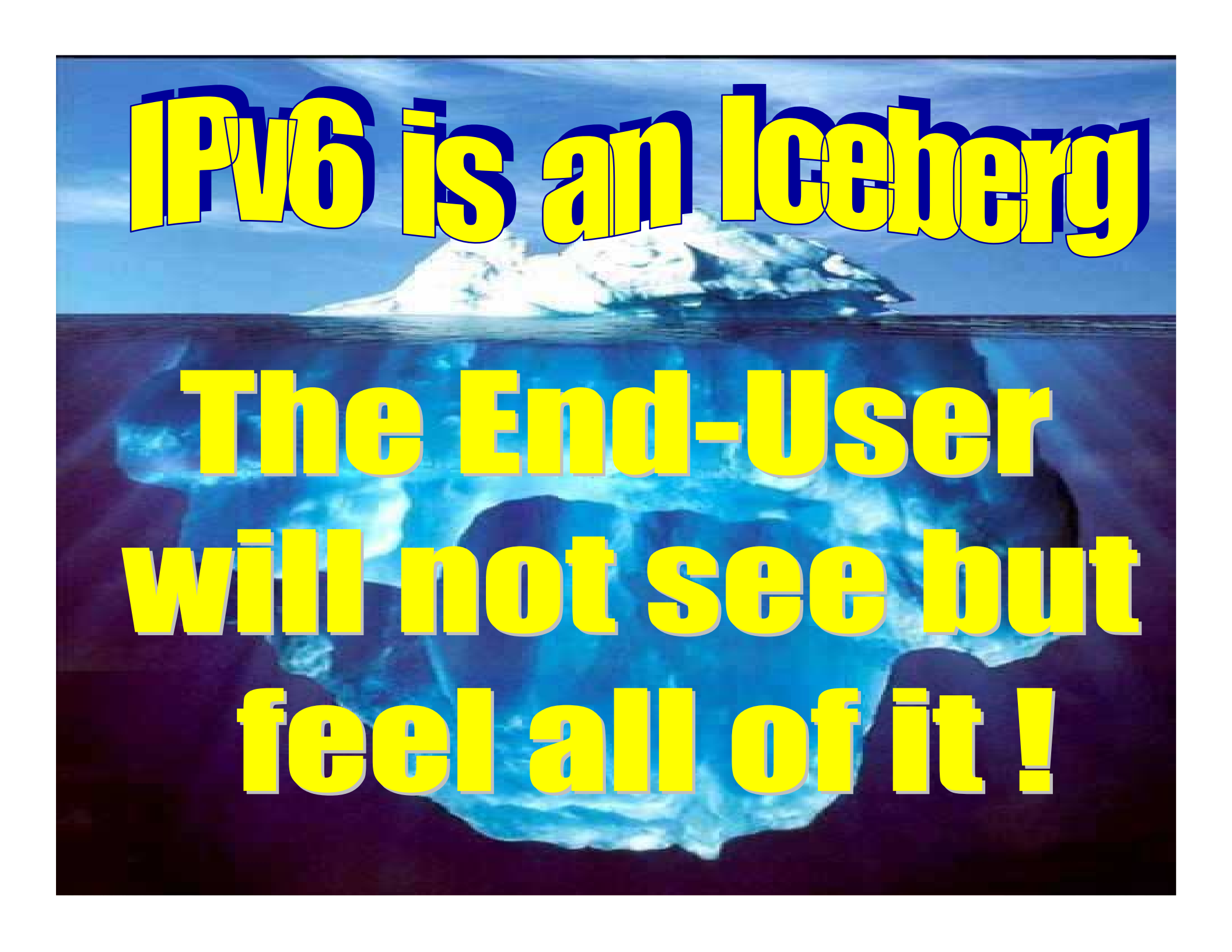
Business

Standards

The New Internet Roadmap

1 billion +
Connected Devices



The image features a large iceberg floating in a dark blue ocean under a light blue sky. The tip of the iceberg is visible above the water, while the much larger, submerged part is visible below the surface. The text is overlaid on this image.

IPv6 is an Iceberg

**The End-User
will not see but
feel all of it !**