行政院及所屬各機關出國報告

（出國類別：其它－國際會議）

出席「國際網際網路年會 INET'2001 會議」報告

服務機關　：教育部（電算中心）

出國人職稱：主任

姓名：陳景章等

出國地點　：瑞典斯德哥爾摩

出國期間　：90 年 6 月 2 日 至 9 日

報告日期　：90 年 8 月 27 日

I8/c09004141

系統識別號：C09004141
行政院及所屬各機關出國報告提要
頁數：47
含附件：是

報告名稱：

國際網際網路二００一年年會（INET' 2001 Conference）

主辦機關：

教育部

聯絡人／電話：

馬淑珍／23565907

出國人員：

陳景章　教育部　電算中心　主任

李長樹　教育部　電算中心　資料管理師

出國類別：其它
出國地點：瑞典
出國期間：民國 90 年 6 月 2 日 - 民國 90 年 6 月 9 日
報告日期：民國 90 年 8 月 27 日
分類號／目：I8／資訊科學
關鍵詞：INET2001

內容摘要：

INET 會議是 ISOC（Internet Society）所舉辦的國際網路年度會議， Internet 國際學術網路會議（INET），爲世界最大之網路年會，歷年來輪流在世界各國舉辦，近年來由於網際網路的發展越來越受到各個國家及業界的重視，近來的參與人數都有千人以上，會議的主題及討論議題也越來越廣泛，已不再侷限於網際網路的技術層面，更擴展到所有網際網路的應用、影響及管理等層面；各國網路工作者及網路研發人員每年都會藉此機會共同研討網路管理、應用及未來發展等重要之課題，另外，每次會議期間全球各大網路設備廠商及電腦設備廠商都會藉此機會發表及推廣最新的網路相關技術。今年的 INET 2001 年會參與的人數約有一千三百多人，今年的重點主題仍然在網路技術面分別爲 IPv6 與 Mobility，其他還有 E-commerce、Education、Law 等等。由今年的 IPv6 及 Mobility 主題看來，美國、歐洲國家、日本及韓國等國發展的相當迅速，尤其是歐洲國家、日本及韓國都預期 Internet 將是未來各方的焦點所在，這些國家的產、官、學界都密切配合地投入相當多的精神及研發在 Internet 技術、應用及管理上，可以預見上述這些國家都將在未來 Internet 領域中漸漸追趕上美國。

本文電子檔已上傳至出國報告資訊網

目　次

會議基本資料、會議目的‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧ 1

會議資訊、背景及會議議程、內容‧‧‧‧‧‧‧‧‧‧ 2

會議心得‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧ 7

對未來國內網路發展及建議‧‧‧‧‧‧‧‧‧‧‧‧‧‧ 9

附件一‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧ 10

附件二‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧‧ 14

出席「國際網際網路 INET'2001 年會」心得報告

一、 會議基本資料

會議名稱：國際網際網路 INET' 2001 年會

時間：90 年 6 月 4 日 至 90 年 6 月 8 日

地點：瑞典

參加國家人員：世界各國網際網路相關人士

二、 會議目的

INET 會議是 ISOC（Internet Society）所舉辦的國際網路年度會議， Internet 國際學術網路會議（INET），爲世界最大之網路年會，歷年來輪流在世界各國舉辦，近年來由於網際網路的發展越來越受到各個國家及業界的重視，近來的參與人數都有千人以上，會議的主題及討論議題也越來越廣泛，已不再侷限於網際網路的技術層面，更擴展到所有網際網路的應用、影響及管理等層面；各國網路工作者及網路研發人員每年都會藉此機會共同研討網路管理、應用及未來發展等重要之課題。今年的主題爲 IPv6 及 Mobility，各個國家的產、官、學界莫不在這兩個主題上盡力地推動與發展。身爲網際網路的成員之一，我們此次與會的目的就在於擷取其它國家在 IPv6 及 Mobility 的經驗、發展及推動過程，讓國內的學術網路在未來的發展中進步能更快速；並藉此機會與其它國家交流網路的管理、發展及推動經驗，尤其是網路與法律之間的關係，網路已讓各國的法律面臨跨國性及智慧財產權的問題，藉此機會參考及擷取他國的經驗，以健全我國網路的管理及發展。

三、 INET 2001 Tutorial/ INET 2001 Conference 會議資訊及背景資料

INET 2001 是由 ISOC（Internet Society）所舉辦的年度國際網路研討會，爲目前網際網路研討會中最具歷史及最具規模的會議。除可透過此會議觀摩、學習各國 Internet 之經驗及技術外，並可與網際網路上的其他組織及學術單位建立交流與合作之關係，藉以讓我國能再網際網路中佔有一席重要的地位。

本次爲 INET 第十一次之會議，由 ISOC（Internet Society）主辦，瑞典斯德哥爾摩協辦，於 6 月 4 至 8 日在瑞典斯德哥爾摩 Stockholmsmässan 國際會議中心舉行。今年有來自一百多個國家，超過一千三百人與會。本次研討會的主題主要是針對目前及未來 IPv6 實際應用將遭遇到的困難及技術等問題作研討及報告；還有未來 IPv6 與 Mobility 結合後的應用及技術發展等爲主。相關資訊已在 Internet 上：http://www.isoc.org/inet2001。

四、 會議議程（Program Schedule）及會議內容

（一）議程：詳細資料請參考附件一

Monday, 4 June

07:30 ~ 20:00 Registration

09:00 ~ 17:30 Technical Tutorials 1 ~ 5

Tuesday, 5 June

07:30 ~ 20:00 Registration

09:00 ~ 17:30 Technical Tutorials 6 ~12

19:00 ~ 21:00 Opening Reception

Wednesday, 6 June

07:30 ~ 18:00 Registration

08:30 ~ 10:30 Opening Plenary Session

10:00 ~ 18:00 Exhibition Open

11:00 ~ 12:30 Concurrent Sessions

12:30 ~ 14:00 Lunch

14:00 ~ 15:30 Concurrent Sessions

16:00 ~ 17:30 Concurrent Sessions

Thursday, 7 June

09:00 ~ 10:30 Plenary Session

11:00 ~ 12:30 Concurrent Sessions

12:30 ~ 14:00 Lunch

14:00 ~ 15:30 Concurrent Sessions

16:00 ~ 17:30 Concurrent Sessions

Friday, 8 June

08:30 ~ 09:00 Plenary Session

09:00 ~ 10:30 Concurrent Sessions

12:30 ~ 13:00 Closing Plenary Session

（二）會議內容：

1.技術性研討會（6 月 4 日至 5 日），共有 12 場分別是：

- IP Version 6 Primer
- Java and Database Connectivity
- Electronic and Information Accessibility
- Internet Legal and Regulatory Issues: A Primer
- E-Business in Practice: "Evolving Your Business to E-Business"
- Multiprotocol Layer Switching (MPLS): Technology and Implementation

- The DNS Security Toolbox
- Moving to XML
- Introduction to "Grids" and Grid Technologies
- Introduction to Streaming Media
- Building Community Fiber Networks for High-Performance Internet Access
- The Interplanetary Internet: Architecture and Key Technology Concepts

2.研討會總計有 42 場

3.實際應用展示會有 6 場

4.大會專題討論總計有 3 場

（三）研討會內容分爲三大類

1.技術層面研討會（Technology Summit）

2.使用層面研討會（Uses of the Internet summit）

3.管理與策略層面研討會（Governance, Legislation Regulation Summit）

依各項分類分別說明如下：

1.技術層面研討會（Technology Summit），分成五個主題

- 網路基礎建設（Infrastructure Thread）：因應 Internet 各種新興的技術與標準，將影響未來的網路基礎架構及環境與 IP 管理等問題，都會在這個主題中含括。討論的範圍有行動網路與網際網路的互通、因應 IPv6 使用後的路由問題討論、網際網路效能與傳輸品質、網際網路管理問題、行動無線網路相關問題等等。
- 網路應用（Applications Thread）：有關網路使用及應用上技術與趨勢問題，及將來可能新興的網路應用等，其中包括多媒體的資料搜尋、使用者環境與使用者介面問題（特別著重在行動網路）、網際

網路上的影音資料傳輸、線上遊戲、網路傳輸安全性、網路信件傳送多媒體及安全相關問題等等。

- 行動網路（Mobility Thread）：討論未來及現在行動網路通訊的規範及問題等，內容包括未來行動網路願景、IPv6 與行動無線網路環境、如何將現行的 Internet 擴展至行動網路、行動網路設備傳輸的安全性與保密、IP 與行動網路技術整合等等。
- 網際網路工程技術小組議題（IETF Thread）：討論與網際網路技術工程及未來網路標準等議題，包含網際網路與法律問題、虛擬私有網路議題、國際性的領域名稱問題（特別著重在非英語系國家的 Domain Names）、新興的網際網路互連架構及技術等等。

2.使用層面研討會（Uses of the Internet summit）：探討各種網路技術及相關應用方面的問題，內容包括 e-commerce、教育及行動學習網路環境、青少年與網路的關係、分散式學習、未來網際網路的使用及應用、應用網路於未來的教學問題等等。

3.管理與策略層面研討會（Governance, Legislation Regulation Summit）：探討網路策略、未來發展方向的問題，包含網路上資料內容的規範及檢查、智慧財產與網際網路互連的關係、網際網路發展的趨勢、跨國組織及企業網路應用的報告等等。

（四）實際應用展示會內容（Demonstration Thread）：對新的網路技術實作經驗及相關的實作研究討論。內容包括 IPv6 在歐洲國家的實作、實際運作中如何題升網路效能、 影音資料於網路上傳輸時的問題與研究、行動網路與現行的 IP 網路間的即時傳輸、IPv6 與行動網路間的整合等等。

（五）大會專題討論（Plenary Panel）：分別就下一階段的網路、未來有線與無線網路的基礎架構、瑞典網路建設及發展。下一階段的網路這個主題由 Vint Cerf 博士主持，討論到目前美國下一代網路的 "Interplanetary Internet" 任務，主要是涉及到未來如何在太陽系間的網路通信，及在星際間網路通訊的挑戰與困難；未來有線與無線網路的基礎架構這個主題中，討論到未來電信網路技術的挑戰、IP 收斂原則與基礎建設架構的影響、光纖網路的發展及 IP routing 與 IP address 的相關議題；瑞典網路建設及發展主題中，由瑞典通訊與就業工業部人員 Rosengren，介紹及討論目前瑞典光纖網路的建構及發展狀況，並討論到如合透過國家自建的光纖網路與跨國的海纜業者合作等議題。

五、 會議心得

（一）由本次與會的人的國籍來看，網際網路的影響層面已經越來越廣，不僅侷限於歐美或亞洲等的已開發國家，許多發展中國家也注意到網際網路的發展趨勢，在會場之中可以看到許多的來自不同區域及國家的人，這些國家的領導者也意識到網路迅速的發展趨勢，就類似當年蒸汽機的發明一般，只是這次網路的發展與改革造成的影響會更多更大，而且是跨國界的。如果不能在這短短的三到五年間趕上這發展的趨勢，並建設國內適當的發展環境，爾後要再趕上來可能要花超過現在追趕工業國家時間的五至十倍。另外，就會中主講者來看，除了歐美國家的技術人員外，還有幾位日本、韓國、中國大陸的講者或論文發表者。現在亞洲國家中的網際網路技術相關的研發工作，這幾個國家都相當積極，尤其是 IPv6 相關的技術，雖然現階段的研究及論文發表可能都尚未到達可以影響主流技術，但是由於 IPv6 的使用目前尚未普及化，這幾個國家現階段在這上面所研究的及所實驗的，未來都將是各國參考的重要依據。

（二）本次會議中所討論的主要議題都集中在 IPv6 及 Mobile 網路上，從這裡不難看出來主辦國家對這兩個議題重視的程度，由於近年來 IPv6 的推廣及實行在歐洲進展相當快速，主要的原因之一是歐洲國家取得的 IPv4 address 不若美國這麼充裕；二則是歐洲行動電話發展的主流地位，使得歐洲國家對於未來行動網路的發展投入相當多的研發，而要發展行動網路首要解決的就是現行 IPv4 address 不足的問題，IPv6 對他們來說就是一個最好的解決方法。由會議中的研討會內容看來，歐洲國家所推動的行動網路與 IPv6 address 將是相輔相成的技術，因爲行動網路的發展帶動了 IPv6 的需求，行動網路發展

及規模越來越大，IPv6 取代 IPv4 的速度將會加快。

（三）研討會中一個相當具有指標性的是 CANARIE 的 Bill St. Arnaud 所主持的技術性研討會，這個研討會中來自 Canada 的 Bill 說明了他在 Canada 推行的公有及城市政府自有光纖的規劃，另外，還有 Sweden 的官員也到場分享他們與 Canada 類似的經驗。Bill 說明了如何藉由這些非營利業者的光纖網路，提供學校、醫院、政府等單位更快的網路連線速率；同時降低網路連線成本；提供更佳的實驗環境給大學作高速的網路研究；並藉由這些自有的光纖線路與現有的 ISP 合作，如此創造一個多贏的局面。參與此一會議的各國人士莫不對此相當有興趣，也感受到此一模式的成功代表著未來這樣的推行模式將會造成相當大的影響，不只讓學校的網路相關研究及其它研究環境更好，也讓同時幫助了醫院及政府單位降低了網路的成本，並與 ISP 或網路線路提供者造成互補互惠的型態。

六、 對於未來國內的網路發展及建議

國內網路的使用及推廣在近幾年各界都不遺餘力，但是對於網路前瞻性的發展，如 IPv6、Mobile 及光纖寬頻網路環境等未來重要的網路趨勢，國內是處在一個比較被動，且缺乏國家級的規劃及研究。雖然現在在網路的普及率及使用率上，我國的排名是居於領先群的，但是若在 IPv6、Mobile 及光纖寬頻網路環境的發展上不能及時規劃及趕上，將來國內的網路發展將會受到相當大的限制的，這樣也將影響到網路相關產業及未來發展的優勢。網路並非一時的現象，網路將影響未來大部分的生活型態和商業模式，建議國內需要有一個正式的國家級規劃及實行單位，對未來國內的網路發展及管理作一前瞻的規劃及實行。

七、 本次研討會的相關資料於下列網頁中

http://www.isoc.org/inet2001/CD_proceedings/index.shtml

八、 附錄

＜附件一＞會議議程

＜附件二＞會議內容資料

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Conference schedule is organized according to date/time of sessions.
Click on the session title to read a detailed description.
Click on the Thread link to see all sessions for that specific thread.

INET 2001 - Final Program			
	Thread	*Moderator/Chair*	*Speakers/Panelists*
June 6 - Wed 8:30-9:00			
OPENING PLENARY SESSION			
June 6 - Wed 9:15-10:30			
Plenary Session: The Interplanetary Internet: The Next Frontier in Mobility	*Technology Summit*	Vinton G. Cerf	Vinton G. Cerf, Adrian J. Hooke, Mr. Robert Durst, Scott Burleigh, Eric Travis
Plenary Session: The Quest for Global Self-Regulation	*Governance and Regulation Summit*	Hans Klein	Carl Bildt, Ola-Kristian Hoff, Mark Rotenburg, Alejandoro Pisanty
Wed 11:00-12:30			
Mobility: Setting the scene and Outrageous opinions panel	*Mobility Technologies*	Gabriel Montenegro, Adam Wolisz	Randy Katz, Holger Karl, Jochen Schiller, Theo Kanter, Petri Mahonen
Real deployement of IPv6 in Europe: the 6INIT project	*Demonstration*	David Billard	Jens Kristensen
Go get it! Metadata helps in finding information.	*Application Technologies*	Clifford Lynch	Leslie Daigle. Thomas Baker, Clifford Lynch
Content Regulation and the Internet	*Governance and Regulation Summit*	Peng Hwa Ang	Peter Coroneos, Jacques Berleur, Richard Swetenham, Parry Aftab, Michael Geist
Stories from Developing Countries	*Uses of the Internet Summit*	George Sadowsky	Franck Martin
Mobility and Learning	*Uses of the Internet Summit*	Jim Williams	Alberto Escudero Pascual, Jose Silvio
Wed 14:00-15:30			
IPv6 and the wireless world	*Mobility Technologies*	Latif Ladid	Jian Ma, Zach D. Shelby, Ulf Gustafson
Law Enforcement, Privacy, and the Internet	*IETF*	Barbara Fraser	Nils Gunnar Billinger, Stefan Kronkvist, Maurice Wessling
Behind all theories: Effective network configuration for real cases	*Demonstration*	David Billard	Martin Bokaemper, Maximilian Riegel

Where am I and who's with me?	*Application Technologies*	Patrik Fältstrom	Ulrich Walther, Prabuddha Biswas, Haitao Tang
Global Cyberdemocracy? Civil Society participation in global policy	*Governance and Regulation Summit*	Shalini Venturelli	Steven Clift, Hans Klein, Karl Auerbach, Christine Maxwell
Youth and the Internet	*Uses of the Internet Summit*	Francisco Guajardo	Virginia Rodriguez, Jose Hinojosa, Cecilia Garza, Daniel Guajardo
Urban Design and Cyberspace	*Uses of the Internet Summit*	Mark Wilson	Anthony M. Townsend, Mark Wilson, Matt Locke
Wed 16:00-17:30			
Tweaking the Networks	*Mobility Technologies*	Randy Katz	Göran AP Eriksson, Reiner Ludwig, John W. Noerenberg, Senthil Sengodan
Virtual Private Networks	*IETF*	Marco Carugi	Marco Carugi, Kireeti Kompella, Jean Philippe Vasseur, Hamid Ould-Brahim, Jeremy De Clercq
Advanced Networking and the Arts: Innovations in Outreach, Collaboration, and Performance	*Demonstration*	David Billard	Ted Hanss, Jeremy Cooperstock, Ann Doyle, Brian Shepard, Tom Snook
Internet Dynamics and IP in 3GPP	*Infrastructure Technologies*	Scott Bradner	Attila Pasztor, Suyoung Yoon, Zsolt Kenesi, Scott Guthery
The Role of International Organizations in Accelerating the Internet and e-Business	*Governance and Regulation Summit*	Mike Nelson	Mark Engelman, P.D. Kaushik, Stéphane Ducable, Phillipe Queau
Art & Activism on the Net	*Uses of the Internet Summit*	Geert Lovink	Gretchen Schoel, Marita Liulia
Creating Online Communities of Medical Knowledge and Trust: Tales from Two Continents	*Uses of the Internet Summit*	Julia Royall	Bernard Glassman, Mike Jensen, Henry Lieberman, George Sadowsky
June 7 - Thu 9:00-9:30			
Plenary Session: Keynote presentation **Victoria Hall**	*Technology Summit*	François Fluckiger	Mr. Hĺkan Eriksson
June 7 - Thu 9:30-10:30			
Future Wired and Wireless Infrastructure: The challenge of the IP convergence **Victoria Hall**	*Technology Summit*	Brian Carpenter, François Fluckiger	Bernard Sales, Dr. Helmut Schink, Dr. Mats Nilsson, Dr. Vinton G. Cerf, Mr. Ove.L. Alm, Dr. Thomas LaPorta
Thu 11:00-12:30			
Internationalized Access to Domain Names **Room K1**	*IETF*	James Seng, Marc Blanchet	Vint Cerf, John Klensin, Harald Alvestrang, Patrik Fältström, Patrick O'Brien, Adam Costello, Scott Hollenbeck
Transport optimisations for	*Demonstration*	David Billard	Vicknesan Ayadurai

real-time IP over cellular links **Room K21**			
Now playing on your home network! Video distribution over the Internet **Room K2**	*Application Technologies*	Erik Huizer	Sofia Melesko, Rob Lanphier, Jan van der Meer
"New Approaches to Internet Routing" **Room K16/17**	*Infrastructure Technologies*	Lyman Chapin	Howard C. Berkowitz, Susan Hares, Frank Kastenholz
International Development Slam **Room K11**	*Governance and Regulation Summit*	Izumi Aizu	
Using Today's Internet for Tomorrow's Education: The Ends of the Spectrum **Room K12**	*Uses of the Internet Summit*	Jacqueline Brown	Timothy W. Luke, Robert Rallo
Origin of the Users: An Evolutionary Taxonomy of Internet Users **Room: Victoria Hall**	*Uses of the Internet Summit*	Mary Fontaine	Steve Dorsey, Richard Fuchs, Nils Zurawski, Chitra Radhakishun
Thu 14:00-15:30			
New Interconnection Architectures **Room K1**	*IETF*	Kireeti Kompella	Kireeti Kompella, George Swallow, James Luciani, John Drake
Cellular IPv6 Demonstrator **Room K21**	*Demonstration*	David Billard	Zach D. Shelby
On-line Gaming **Room K2**	*Application Technologies*	Ragnar Lönn	Dr. Magnus Jandel, Sven Hilling
Internet Performance and Quality of Service **Room K16/17**	*Infrastructure Technologies*	Scott Bradner	Bindignavile S. Srinivas, Gihan V. Dias, Hemant M. Chaskar
Privacy and surveillance in Cyberspace **Room K12**	*Governance and Regulation Summit*	David Sobel	Ravi Kumar Dhar
Indigenous and Diaspora Groups and the Internet **Room: Victoria Hall**	*Uses of the Internet Summit*	Steve Cisler	Kemal Altintas, Robyn Kamira, Aanta Heikka Forsgren
Ecommerce in Developing Countries **Room: Victoria Hall**	*Uses of the Internet Summit*	Rosa Delgado	Michael Minges, Madanmohan Rao, Mohammed-Sani Abdulai, Alpha Bah
Thu 16:00-17:30			
IPv6 in Cellular networks **Room K21**	*Demonstration*	David Billard	Conny Larsson
Safe surfing. Security issues **Room K2**	*Application Technologies*	Ran Atkinson	Göran Selander, Scott A. Isaacson, Noria Foukia, Senthil Sengodan
Internet Management **Room K16/17**	*Infrastructure Technologies*	Franck Boissiere	Sandor Albrecht, Veaceslav Sidorenco, Tamrat Bayle
E-commerce Case Studies **Room K1**	*Governance and Regulation Summit*	Madanmohan Rao	Hong Liang Hiew, Lee Si-Si, Lora, Juan Zapardiel, Rex Hughes

Questioning the Telecenter Movement **Room K11**	*Uses of the Internet Summit*	Raul Roman	Royal Colle, Anastasia Nakkazi, Bill Murray, Johan Ernberg, Michel Menou, Paula Uimonen, Gáspár Mátyás
Equity of Access: Solutions and problems **Room K12**	*Uses of the Internet Summit*	Bill Wright	Dirk Koning , Adrian Bates, Klaus Frey, V.K.S. Samaranayke, Tatsuya Yamamoto
Serving Mobile devices **Room K11**	*Mobility Technologies*	Mikael Nilsson	Björn Landfeldt, Alberto Escudero Pascual, Matthew S. Hamrick, Johan Hjelm
June 8 - Fri 8:30-9:00			
Internet in Sweden for democracy and development		Östen Frinberg	Björn Rosengren
June 8 - Fri 9:00-10:30			
Operator Perspective **Room K11**	*Mobility Technologies*	Steinar Dahlin	Julia Kantorovitch, Lars-Michael Jogbäc, Jan Karmakar
Instant, reliable, unified, secure, wireless, volume, multi-media messaging **Room K2**	*Application Technologies*	Dave Crocker	Dave Crocker, Claudio Allocchio, Graham Klyne
"Aspects of Wireless Networking" **Room K16/17**	*Infrastructure Technologies*	Franck Boissiere	Maximilian Riegel, Per Johansson, Ram Gopal
Disabilities and General Issues **Room K1**	*Uses of the Internet Summit*	Mike Burks	Tom Worthington, Cynthia Waddell, Riina Reinumagi, YJ Park
E-commerce **Room K12**	*Uses of the Internet Summit*	Scott Gunn	Greg Adamson, Roland E. Schmid, Taylor Kearns
Fri 11:00			
Plenary Session: Intellectual Property Debate **Room: Victoria Hall**	*Governance and Regulation Summit*	David Maher	John Perry Barlow, Alan Dixon, Patrik Fältström
Fri 14:00			
Disabilities and Education **Room K16/17**	*Uses of the Internet Summit*	Mike Burks	Lim Kin Chew, David Yong, Taylor Kearns, Cynthia Waddell
Future Uses of the Internet **Room K22**	*Uses of the Internet Summit*	Daniel Kaplan	Franck Boissiere, B.Svante Eriksson, David Macneil, Laurent Ponthou, Mark Reschor, Jacqueline Tammenoms Bakker, Jean-Pierre Tubach, Jean-Claude Guedon, Pierre Bouchard

g

Technology, Inc, Dialog
<travis@gst.com> [P]

PL2-T Thu 7 9:00-9:30

Keynote presentation [PRESENTATION]

Chair: Francois Fluckiger, CERN, [PC, PM]

Speaker:

Mr. Hĺkan Eriksson, Head of Research at Ericsson [KS]

PL2-T Thu 7 9:30-10:30

Future Wired and Wireless Infrastructure: The challenge of the IP convergence [PANEL]

This panel will discuss the technology challenges and issues of building a converged telecommunications infrastructure, including: the architectural model and the role of IP convergence, the IP routing and addressing aspects, the role of optical networking.

Moderators: Brian Carpenter, IBM, [SC], François Fluckiger, CERN [PC, PM]

Panelists:

Bernard Sales, Alcatel [P]

Dr. Helmut Schink, Vice President, Information and Communication Networks Siemens AG [P]

Dr. Mats Nilsson Corporate Director, Ericsson

Dr. Vinton G. Cerf, Senior Vice President, WorldCom Corporation [P]

Mr. Ove.L. Alm, CTO, Skanova, Telia Networks [P]

Dr. Thomas LaPorta, Lucent [P]

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_t_summit.shtml>
was last updated Monday, 04-Jun-2001 06:27:25 EDT.

Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

. Home
. Welcome
. FINAL PROGRAM
. Program at a Glance
. Technology Summit
. Government/Use of the Internet Summit
. Tutorials
. AC and BOT meetings
. Advanced Network Training Workshops
. Hotels
. Stockholm Tour Info
. Conference Sponsors
. Media Sponsors
. Press Information

PDF brochure
. Registration Form
. Preliminary Program
. Sponsorship Brochure
. INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Governance and Regulation Summit

Summit Commitee: Hans Klein, Michael Nelson, Izumi Aizu

Governance and Regulation Summit The Governance summit will include panels and presentations on content regulation and censorship, intellectual property and peer-to-peer networks, ICANN, a policy slam on Internet development, and reports from international organizations and businesses.

6 June Plenary Session 9:15-10:30

The Quest for Global Self-Regulation

From new Top-level Domain to Napster and Hate speech, Internet is facing difficult and inevitable global challenges. As people can interact, trade and work together globally with minimal cost instantly over the Net, such traditional frameworks as national border, tax and duty, censorship, and copyright are not as effectively functioning as before. What can we do, then? One answer is self-regulation. But as ICANN's recent At-Large membership director election illustrates, enforcing effective self- regulation not an easy task. At this panel, we will examine how much (rough) consensus we have.

Moderator: Hans Klein, Georgia Tech. USA

Panelists:

Carl Bildt, Chair, ICANN At-Large Membership Study Committee (Sweden)Former Prime Minister of Sweden

Ola-Kristian Hoff, Director, Europe for ICRA (Internet Content Rating Association)

Mark Rotenburg, Executive Director, Electronic Privacy Information Center (U.S.A.)

Jeanette Hofman, Wissenschaftzentrum Berlin (WSB), Germany

8 June Plenary Session 11:00

Intellectual Property Debate

Does information want to be free or does it want to be expensive? Many musicians, movie studios, publishers, and software makers fear that Napster, Gnutella, Freenet, and similar Internet services threaten their ability to control their intellectual property. Content creators are fighting back with court challenges and new laws, such as the Digital

Millennium Copyright Act in the United States. This session will be a formal debate over the whether in the future the Internet will increase or decrease the capability of content owners to control and charge for their copyrighted material. At the end, an audience poll will determine which side won the argument.

Chair: David Maher, ISOC

Speaker:

John Perry Barlow, Electronic Frontier Foundation, USA

Alan Dixon, IFPI, UK

Patrik Faltstrom, Cisco Sweden

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_gov_plenary.shtml>
was last updated Sunday, 03-Jun-2001 18:38:38 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

• Home
• Welcome
• FINAL PROGRAM
• Program at a Glance
• Technology Summit
• Government/Use of the Internet Summit
• Tutorials
• AC and BOT meetings
• Advanced Network Training Workshops
• Hotels
• Stockholm Tour Info
• Conference Sponsors
• Media Sponsors
• Press Information

PDF brochure
• Registration Form
• Preliminary Program
• Sponsorship Brochure
• INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Technology Summit

Infrastructure Technologies Thread

Chairpersons: Scott Bradner, Harvard University <sob@harvard.edu>; Franck Boissiere, European Commission <Franck.Boissiere@cec.eu.int>

The new millennium is probably opening a new era for the underlying infrastructure of the Internet. Not only is the transmission and switching capacity being multiplied by several orders, but also the IP technology is likely to become a key component of the converged telecommunication core systems. This thread addresses several of the key issues associated with these new challenges such as new approaches for routing, quality or service and network engineering or mastering the mix of wireless and wireline Internet.

IN1 Wed 6 16:00-17:30

Internet Dynamics and IP in 3GPP

This session includea 4 papers on various aspects of measuring the dynamics of the Internet, the effects of the dynamic nature of the Net and the impact of TCP performance on user perception. In addition there will be one paper about the use of IP protocols in 3rd generation cellular networks.

Chair: Scott Bradner, Harvard University <sob@harvard.edu> [PC, SC]

Speakers:	*Title of Presentation*
Attila Pasztor, Ericsson Hungary R&D, Attila.Pasztor@eth.ericsson.se [S]	High Precision Active Probing for Internet Measurement
Suyoung Yoon, Korea Telecom, syyoon@kt.co.kr [S]	Reliable Multicast Considering the Temporal Dependence in Packet Loss)
Zsolt Kenesi, Ericsson Research, Hungaria, Zsolt.Kenesi@eth.ericsson.se [S]	On the Impact of TCP Protocol on End-User Perceived Traffic Self-Similarity
Scott Guthery, Mobile-Mind, Inc. sguthery@mobile-mind.com [S]	Internet Protocols on the 3GPP SIM

IN2 Thu 7 11:00-12:30

New Approaches to Internet Routing

The rapid expansion of the Internet challenges the capacity and stability of the global routing system; the number of distinct inter-AS routes (96,907 at 12/2/01) grows exponentially, convergence times increase, and route flapping and other instabilities appear more often. At the same time, the routing system is asked to take on additional roles in ISP policy enforcement, traffic engineering, and support for the emerging wireless and mobile Internet. This session presents some of the most promising new approaches to solving these problems

Moderator: Lyman Chapin, NextHop Technologies, USA, <lyman@acm.org> [SO, PM]

Panelists:

Howard C. Berkowitz, Nortel Networks, USA <hcb@clark.net> [P]

Susan Hares, Chairman and CTO, NextHop Technologies USA <skh@nexthop.com> [P]

Frank Kastenholz, Unisphere Networks, USA <fkastenholz@unispherenetworks.com> [P]

IN3 Thu 7 14:00-15:30

Internet Performance and Quality of Service

This session explores the full range of Internet performance from the restraints of bandwidth limited networks to very high speed research networks. It also includes descriptions of two approaches to supporting predictable quality of service in challenging environments.

Chair: Scott Bradner, Harvard University <sob@harvard.edu> [PC, SC]

Speakers:	*Title of Presentation:*
Bindignavile S. Srinivas, NOKIA, bindignavile.srinivas@nokia.com [S]	QoS enabled Layered Multicast Transmission of Multimedia Data in a Wireless Environment.
Gihan V. Dias, Lanka Education and Research Network, gihan@learn.ac.lk [S]	Providing cost-effective Internet access: The LEARN experience
Hemant M. Chaskar, Nokia Research Center, hemant.chaskar@nokia.com [S]	MPLS and DiffServ for UMTS QoS Support in Core Network

IN4 Thu 7 16:00-17:30

Internet Management

This session combines papers about understanding how to measure MPLS-based traffic engineering and the resulting quality of service, describing an innovative way to manage and represent wide area networks, and discussing Performance management of IP based wireless networks.

Chair: Franck Boissiere, European Commission, <Franck.Boissiere@cec.eu.int> [PC, SC]

Speakers:	*Title of Presentation:*
Sandor Albrecht, Ericsson Research, Hungary, <Sandor.Albrecht@eth.ericsson.se> [S]	Performance management of IP based wireless networks
Veaceslav Sidorenco, Technical University of Moldova, svv@renam.md, svv@mdl.net [S]	Wide Area Networks Management with Geoinformation and 3D Presentation of Objects under Management
Tamrat Bayle, Hiroshima University, tamrat@hiroshima-u.ac.jp [S]	Performance Measurements of MPLS Traffic Engineering and QoS

IN5 Fri 8 9:00- 10:30

Aspects of Wireless Networking

This session includes a discussion of the use of the emerging Bluetooth personal area networking standard and a examination of the issues in securing wireless access networks.

Chair: Franck Boissiere, European Commission, <Franck.BOISSIERE@cec.eu.int> [PC, SC]

Speakers:	*Title of Presentation:*
Maximilian Riegel, Siemens AG , Germany, maximilian.riegel@icn.siemens.de [S]	Network access control for wireless LANs
Per Johansson, Ericsson Corporate Research, Sweden, Per.Johansson@ericsson.com [S]	Ad-hoc IP Networks over Bluetooth
Ram Gopal, Nokia Networks, USA, ram.gopal@nokia.com [S]	On IP Radio Access Network (RAN) Security

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_infra.shtml>
was last updated Sunday, 03-Jun-2001 09:15:55 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

- Home
- Welcome
- FINAL PROGRAM
- Program at a Glance
- Technology Summit
- Government/Use of the Internet Summit
- Tutorials
- AC and BOT meetings
- Advanced Network Training Workshops
- Hotels
- Stockholm Tour Info
- Conference Sponsors
- Media Sponsors
- Press Information

PDF brochure
- Registration Form
- Preliminary Program
- Sponsorship Brochure
- INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Technology Summit

Application Technologies Thread

Chairpersons: Erik Huizer, Dutch Broadcast Services Corporation <huizer@cs.utwente.nl>; Patrik Fälström, Cisco Systems <paf@cisco.com>

Regardless of how much money goes into the fixed or wireless infrastructure, its the applications that make the Net. The developments that are taking place in the field of applications are at the same time going at an incredible speed as well as very slow. The speed is visible in the new versions and plug-ins for browsers that appear almost every day. Slow, in that e-mail is still very much like it was 10 years ago, and in that we still have no universal solution for a secure Internet. All in all there is much to be said about applications and security, and that is what this thread is all about. The thread aims at a very condensed overview of some of the exiting developments in a few selected fields. Ranging from Classical e-mail and security to trendy applications like Video and Location aware applications.

AP1 Wed 6 11:00-12:30

Go get it! Metadata helps in finding information.

With the growth of the Internet and the amount of information on the Net, finding information through simple mamoth centralised search engines that index static information is showing its limitations. More and more of the information is not in textual format but in graphics, video or audio format, or in databases or digital object repositories, so current indexing approaches don't work. Instead, we need to attach metadata to objects and their identifiers, and to have ways of gathering this metadata to support information discovery applications. This session will survey the status of a range of work in these areas.

Moderator: Clifford Lynch, CNI Coalition for Networked Information, Usa, <cliff@cni.org> [SO, S]

Panelists:	*Title of Presentation*
Leslie Daigle, Thinking Cat Enterprises, Canada, <leslie@thinkingcat.com> [P]	Get to it! -- identifiers, resolution and metadata
Thomas Baker, GMD, Germany <thomas.baker@gmd.de> [P]	What is it? -- metadata and the Dublin Core
Clifford Lynch, CNI Coalition for	Getting it together

Networked Information, USA, <cliff@cni.org> [SO, S]	-- metadata harvesting and the open archives initiative

AP2 Wed 6 14:00-15:30

Where am I and who's with me?

Location dependent services increase in popularity when consumers start to be able to access Internet from more than one location, and even from devices that move, like cellular phones. Some traditional web-based services today ask the user to enter the location of the user which accesses the service. Why is not that information entered automatically? How to merge the need for geographic information being sent to services while keeping a strong view on privacy and integrity issues? This session will discuss the benefits and downsides with geographic information being part of services on the Internet.

Chair: Patrik Fältström, Cisco Systems <paf@cisco.com> [PC, SC]

Speakers:	*Title of Presentation:*
Ulrich Walther, International University Bruchsal, ulrich.walther@i-u.de [S]	LocaPhone - Location aware group communication for mobile groups
Prabuddha Biswas, Oracle Corporation <Prabuddha.Biswas@oracle.com> [S]	Location Based Visibility of Services
Haitao Tang, Nokia <haitao.tang@nokia.com> [S]	Interoperability Issues for Geo-Information in the Internet

AP3 Thu 7 11:00-12:30

Now playing on your home network! Video distribution over the Internet

Distributing video over the Internet is the most quoted killer app for broadband Internet infrastructures. However video distribution requires caravel engineering. Careful network design and clever distribution are needed to minimize delay and jitter. Intelligent compression algorithms are needed to generate quality video over not-so-broadband local loops. This session explores these issues in depth.

Chair: Erik Huizer, Dutch Broadcast Services Corporationy, The Netherlands, A5 [PC, SC]

Speakers:	*Title of Presentation:*
Sofia Melesko, Skanova, Sweden <sofia.a.melesko@telia.se> [S]	Scandinavian Media Exchange
Rob Lanphier, Real Networks, USA <robla@real.com>, [S]	Real 8

Jan van der Meer, Philips, The Netherlands <jan.vandermeer@philips.com> [S]	On MPEG4 streaming

AP4 Thu 7 14:00-15:30

On-line Gaming

Lately we have seen a number of new ideas being discussed: peer 2 peer communication, bandwidth and delay constraints, community building, presence information services, localization... For the game community these issues are not new, but instead all needed in various degrees for an online game. This session will describe how an online game uses the Internet, and why some of the issues listed above is more important than others.

Chair: Ragnar Lönn, Gatorhole, <prl@gatorhole.se> [SC]

Speakers:	*Title of Presentation:*
Dr. Magnus Jandel, Terraplay Systems <magnus.jandel@terraplay.com> [S]	A new network infrastructure for multiplayer gaming
Sven H?lling, CEO, It's Alive <sven.halling@itsalive.com> [S]	Building entertainment applications and games: "pervasive mobile gaming"

AP5 Thu 7 16:00-17:30

Safe surfing. Security issues

Security has been an issue on the Internet since its conception in the early seventies. There is still no single security "solution" and the amount of dangers seems to increase. This session presents some new developments in various security areas.

Chair: Ran Atkinson Extreme Networks USA [SC]

Speakers:	*Title of Presentation:*
Göran Selander, Ericsson Research, goran.selander@era.ericsson.se [S]	Object Security and Personal Information Management
Scott A. Isaacson, Novell Inc. , sisaacson@novell.com [S]	Single Sign On - Scalable Authentication for Large Scale Secure Networks
Noria Foukia, University of Geneva, noria.foukia@cui.unige.ch [S]	Intrusion detection with mobile agents
Senthil Sengodan, Nokia , senthil.sengodan@nokia.com [S]	On Securing Home Networks

AP6 Fri 8 9:00-10:30

Instant, reliable, unified, secure, wireless, volume, multi-media messaging

Internet mail has been in operation for more than 25 years and has scaled nearly 100,000 orders of magnitude with no major changes to its basic architecture. The demands of global commerce are forcing a wide range of enhancements to be pursued. Should major changes begin with a new technology base, or can existing Internet mail continue to evolve and incorporate requirements for quality of service (such as "instant" delivery), voice/fax/mail integration, legal security, multi-million recipient volumes, and more? This session will explore these demands and the activities underway to satisfy them. Some of the news is excellent. Some is not.

Chair: Dave Crocker, Brandenburg InternetWorking <dcrocker@brandenburg.com> [SO, S]

Speakers:	*Title of Presentation:*
Dave Crocker, Brandenburg InternetWorking <dcrocker@brandenburg.com> [SC, S]	Millenial Mail: Continuity and Evolution
Claudio Allocchio, GARR, Italy <Claudio.Allocchio@garr.it> [S]	Adding email emulation of established business quality
Graham Klyne, Baltimore Technologies, UK <gk@acm.org> [S]	Email as the Cinderella protocol?

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_apptech.shtml>
was last updated Sunday, 03-Jun-2001 09:15:59 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

. Home
. Welcome
. FINAL PROGRAM
. Program at a Glance
. Technology Summit
. Government/Use of the Internet Summit
. Tutorials
. AC and BOT meetings
. Advanced Network Training Workshops
. Hotels
. Stockholm Tour Info
. Conference Sponsors
. Media Sponsors
. Press Information

PDF brochure
. Registration Form
. Preliminary Program
. Sponsorship Brochure
. INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Technology Summit

Mobility Technologies Thread

Chairpersons: Gabriel Montenegro, Sun <gab@sun.com> ; Steinar Dalin, Ericsson <latif.ladid@village.uunet.lu>

This thread attempts to look out the mobility landscape. It being a sparse landscape, we will be somewhat limited. Five sessions explore in different styles and in different themes. We will have futuristic visions, and looks at themes like IPv6 and optimization mechanisms. We will shift our attention from the core of the network to the devices and how to serve content to them, finalizing with a session on operator perspectives. The focus is on wide-area uses of wireless technologies, such as we see in 2.5G and 3G, although, in conjunction with these, local area wireless will also be discussed.

MO1 Wed 6 11:00-12:30

Mobility: Setting the scene and Outrageous opinions panel

We invite one of the original thinkers in computer science to share with us his vision of what the implications with respect to service architectures may be in this new wireless world. This session finishes with a very interesting and controversial panel which questions the need for wireless research.

Moderator: Gabriel Montenegro, Sun, <gab@sun.com> [PC, SC]

Speaker:	*Title of Presentation*
Randy Katz, UC Berkeley, USA, <randy@cs.Berkeley.edu> [SC, S]	Internet services in the context of mobile wireless networks

Panel Moderator:

Adam Wolisz, Technische Universität Berlin <wolisz@ee.tu-berlin.de> [PM]	Why waste money on mobile Internet research?

Panelists:

Holger Karl, Technische Universität Berlin, <karl@ee.tu-berlin.de> [P]

Jochen Schiller, Freie Universität Berlin <schiller@inf.fu-berlin.de> [P]

Theo Kanter, Ericsson Research <theo@verkstad.net> [P]

Petri Mahonen, University of Oulu,

<petri.mahonen@vtt.fi> [P]

MO2 Wed 6 14:00-15:30

IPv6 and the wireless world

Mobile IP has received tremendous attention from the cellular telephony industry for use in the next generation networks. These papers explore remaining issues and scenarios in its deployment, with particular attention to IPv6.

Chair: Latif Ladid, Ericsson-Telebit, <latif.ladid@village.uunet.lu> [SC]

Speakers:	*Title of Presentation:*
JIAN MA, R&D,NOKIA(China), Jian.J.Ma@nokia.com [S]	Mobile IPv6 and some issues for QoS
Zach D. Shelby, University of Oulu, zach.shelby@ieee.org [S]	Cellular IPv6 with Route Optimization
Ulf Gustafson, ipUnplugged AB, ulf.gustafson@ipunplugged.com [S]	Network Design with Mobile IP

MO3 Wed 6 16:00-17:30

Tweaking the Networks

The use of IP technologies in cellular networks requires judicious application of different optimizations. Here are some thoughts on how to better adopt IP technologies.

Moderators: Randy Katz, UC Berkeley, USA, <randy@cs.Berkeley.edu> [SC, S]

Panelists:	*Title of Presentation:*
Göran AP Eriksson, Ericsson Research, goran.ap.eriksson@era.ericsson.se [S]	An Internet inspired approach to conversational multimedia in 3G cellular networks
Reiner Ludwig, Ericsson Research, Reiner.Ludwig@Ericsson.com [S]	TCP Performance in High Data Rate Wireless Environments
John W. Noerenberg, Qualcomm Incorporated, jwn2@qualcomm.com [S]	Marrying Wireless Technologies)
Senthil Sengodan, Nokia, USA, <senthil.sengodan@nokia.com> [S]	Use of RSIP within GPRS Networks

MO4 Thu 7 16:00-17:30

Serving Mobile devices

Supporting mobile devices over IP networks requires careful consideration in terms of content adaptation,

privacy and security formats, and, in general, in terms of what the 'wireless internet' is.

Moderators: Mikael Nilsson, Ericsson, Sweden, <mikael.nilsson@ein.ericsson.se> [SC]

Panelists:	*Title of Presentation:*
Björn Landfeldt, Ericsson Research, bjorn.landfeldt@era.ericsson.se [S]	Mobile Aware Server Architecture, MARCH
Alberto Escudero Pascual <aep@it.kth.se>, KTH, Sweden [S]	Location Privacy in Mobile Internet
Matthew S. Hamrick, Meson Group, mhamrick@cryptonomicon.net [S]	Trust Models, Certificate Formats, Authorization, Access Control for Light-Weight Wireless Networked Devices
Johan Hjelm, Ericsson Research Japan, johan.hjelm@nrj.ericsson.se [S]	WAP NG and iMode 2: Convergence effects on services

MO5 Fri 8 9:00-10:30

Operator Perspective

The operators have the daunting task of deploying cellular technologies that use IP technology. This session discusses operational considerations and experiences.

Moderators: Steinar Dahlin, Ericsson, <Steinar.Dahlin@era.ericsson.se> [PC, SC]

Panelists:	*Title of Presentation:*
Julia Kantorovitch, University of Oulu, Julia.Kantorovitch@ee.oulu.fi [S]	Wireless SNMP
Lars-Michael Jogbäc, Tele2, lm@tele2.se, lm@swip.net [S]	GPRS & UMTS from a Internet operator perspective
Jan Karmakar, Telia, <Jan.J.Karmakar@telia.se>[S]	Mobile Internet from the Operator perspective

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair

[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_mobility.shtml>
was last updated Sunday, 03-Jun-2001 09:15:54 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

- Home
- Welcome
- FINAL PROGRAM
- Program at a Glance
- Technology Summit
- Government/Use of the Internet Summit
- Tutorials
- AC and BOT meetings
- Advanced Network Training Workshops
- Hotels
- Stockholm Tour Info
- Conference Sponsors
- Media Sponsors
- Press Information

PDF brochure
- Registration Form
- Preliminary Program
- Sponsorship Brochure
- INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Technology Summit

Special IETF Thread

Chairperson: Fred Baker, Cisco Systems, <fred@cisco.com>

Four panel discussions or presentation sessions will discuss key work ongoing in the IETF. Intended to inform both lay and technical audiences, these discussions will set forth new service models being used in the Internet and key considerations for its users.

IE1 Wed 6 14:00-15:30

Law Enforcement, Privacy, and the Internet

Increasingly, the Internet is found to undergird the gross domestic product of nations, and to be viewed as a critical communications infrastructure. It is also being used by common people in their daily life and by criminals in their activities. As such, nations have found it necessary to apply legal doctrines for the support of law enforcement, including wiretap and document access, in a realm in which people are typically unguarded and frequently regard their communications as private. This session will review recent legal steps, such as the application of the UK's RIP and US CALEA legislation to the Internet, and requirements by various countries that service providers in them provide specialized access to law enforcement. It will discuss the legal, philosophical, and societal impacts of this technology, and the reasonable concerns of citizens and governments.

Moderator: Barbara Fraser, Cisco Systems <byfraser@cisco.com> [PM]

Panelists:

Nils Gunnar Billinger, PTS, Sweden, <NilsGunnar.Billinger@pts.se> [P]

Stefan Kronkvist, LE-Stocholm

Maurice Wessling, Dutch Privacy Fighters

IE2 Wed 6 16:00-17:30

Virtual Private Networks

"Virtual Private Networks" is a buzz word used to describe a variety of network types. They have a common surface objective: to provision a network, whether provided by a single service provider or multiple providers, to provide what to a customer appears to be a private network. Current approaches include the use of IPSEC as a tunneling mechanism, other tunnel mechanisms such as L2TP and GRE, MPLS paths with BGP information distribution, and more traditional circuit switch architectures. This session will discuss the definition work being done in the IETF. The IETF is looking at the requirements individual VPN approaches must satisfy from a Service Provider (SP) perspective. Particular attention will be placed on SP requirements for security, privacy, scalability and manageability considering such factors as Service Provider's projections for number, complexity, and rate of change of customer VPNs over the next several years.

Moderator:	Marco Carugi, France Telecom, <marco.carugi@rd.francetelecom.fr> [SO, S

Speakers:	*Title of Presentation*
Marco Carugi, France Telecom, <marco.carugi@rd.francetelecom.fr> [SO, S]	introduction and overview of standardisation on IP VPNs
Kireeti Kompella, Juniper, U.S.A., <kireeti@juniper.net> [S]	
Jean Philippe Vasseur, Cisco Systems, France , <jpv@cisco.com> [S]	Layer 3 Network Based VPNs based on the BGP/MPLS approacl
Hamid Ould-Brahim, Nortel Networks, Canada, <hbrahim@nortelnetworks.com> [S]	Layer 3 Network Based VPNs based on the Virtual Router approach
Jeremy De Clercq, Alcatel, Belgium, <jeremy.de_clercq@alcatel.be> [S]	CPE-based VPNs (GRE, L2TP, IPSEC, etc.)

IE3 Thu 7 11:00-12:30

Internationalized Access to Domain Names

The Internet has grown to encompass a network of communities representing a global mosaic of languages and culture. The increasing volume of modern business, research and interpersonal communication in non-English languages is a testament to this fact; clearly, ASCII-based domain names have become an anachronism in a multilingual Internet world. However, internationalizing the Domain Name System is no small task, and the consequences of hasty actions are serious. In response, the IETF has formed the Internationalized Domain Names (IDN) Working Group to ensure the preservation of the universal nature of the Internet while bringing friendlier multilingual domain names. This panel will discuss the technology, the IETF work, and the deployment issues, impacts on applications and the current market.

Moderators:	James Seng, i-DNS.net, IDN <jseng@pobox.org.sg> [SO, PM] Marc Blanchet <Marc.Blanchet@viagenie.qc.ca>, Viagénie inc. [SO, PM]

Panelists:

Vint Cerf, WorldCom, ICANN/ISOC <vcerf@mci.net> [P]

John Klensin, AT&T Research, IAB Klensin@att.com [P]

Harald Alvestrand, Cisco Systems, IETF <alvestrand@cisco.com> [P]

Patrik Fältström, Cisco Systems, IDN/IESG <paf@cisco.com> [P]

Patrick O'Brien, i-DNS.net, <patrick.o.brien@i-dns.net> [P]

Adam Costello, U of Berkeley, IDN <amc@cs.berkeley.edu> [P]

Scott Hollenbeck, Verisign <shollenbeck@verisign.com> [P]

IE4 Thu 7 14:00-15:30

New Interconnection Architectures

The IETF has clear direction from the IESG to define control plane protocols for optical networks; in fact, it has created several new Working Groups to address "sub-IP" technologies.This session will cover some of these WGs (in particular, IPO, IPORPR, MPLS and CCAMP), their charters, and the progress that each has made.

Moderator:	Kireeti Kompella, Juniper <kireeti@juniper.net> [SO, P]

Panelists:

Kireeti Kompella, Juniper Networks <kireeti@juniper.net> [SO, P]

George Swallow Cisco Systems USA <swallow@cisco.com> [P]
James Luciani Tollbridge Technologies USA,
<james_luciani@mindspring.com> [P]
John Drake Calient Networks USA <jdrake@calient.net> [P]

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_IETF.shtml>
was last updated Sunday, 03-Jun-2001 09:15:56 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

. Home
. Welcome
. FINAL PROGRAM
. Program at a Glance
. Technology Summit
. Government/Use of the Internet Summit
. Tutorials
. AC and BOT meetings
. Advanced Network Training Workshops
. Hotels
. Stockholm Tour Info
. Conference Sponsors
. Media Sponsors
. Press Information

PDF brochure
. Registration Form
. Preliminary Program
. Sponsorship Brochure
. INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Technology Summit

Demonstration Thread

Chairperson:

David Billard, University of Geneva, billard@cui.unige.ch

The presentations or panels of the four other threads of the Technology Summit are essential to convey the concepts at work, the visions of those evolving the Internet. But there is no other place than in the Demonstration room for you to be able to touch, really touch, the technology through the future hardware or applications that are beeing developped in laboratories and may be off--the-shelf in a few years. It is an unique opportunity to see those future appliances in a test environment .

DE1 Wed 11:00-12:30

Real deployment of IPv6 in Europe: the 6INIT project

"The IPv6 INternet IniTiative (6INIT) project is an EU Fifth Framework funded project under the Information Society Technologies (IST) programme. It began on January 1st 2000 and runs for 18 months. The objective of the 6INIT project is to promote the introduction of IPv6 services and applications in Europe. The 6INIT project is providing guidelines on how to set up an operational platform providing end-users with native IPv6 access points and native IPv6 services. This European platform is composed of IPv6/IPv4 national clouds distributed in five different European countries. This session will present the lessons learned and the results obtained in the project. Moreover, there will be a number of demonstrations of network services and applications developed in the project and being implemented in a native IPv6 infrastructure."

Chair David Billard, University of Geneva, billard@cui.unige.ch [PC, SC]

Speaker:

Jens Kristensen, Telebit, Jens.Kristensen@lmd.ericsson.se [D]

DE2 Wed 14:00-15:30

Behind all theories: Effective network configuration for real cases

"A large mismatch seems to exist between the highly abstract world of network management systems and actual management of configuration data in real-world networks: - Current Network Management systems often contain an information model of great detail (e.g. SNMP

MIBs) and are mostly used for visualizing and monitoring networks, but very little in the main configuration process of network elements like routers and associated services like DNS or Radius. - Configuration is usually done with script based systems, often built on widely known tools like RCS, PERL, LDAP, ssh etc. These systems usually do not have a detailed data model, offer lots of flexibility and easy adaptation but also tend to grow in a unstructured manner. We will analyze some of the reasons of this mismatch and demonstrate a solution that has been derived from the similar problem space existing in the management of web content."

Chair: David Billard, University of Geneva, billard@cui.unige.ch [PC, SC]

Speakers:

Martin Bokaemper, Unisphere Networks, Canada MBokaemper@unispherenetworks.com [D]

Maximilian Riegel, Siemens AG, Germany Maximilian.Riegel@icn.siemens.de [S, DA]

DE3 Wed 16:00-17:00

Advanced Networking and the Arts: Innovations in Outreach, Collaboration, and Performance

The "killer application" for the arts may very well be "high fidelity". That is, the ability of the arts community to collaborate and communicate with digital audio and video without loss of nuance or meaning. Through this panel of experts, live demonstrations, and interaction with the audience we hope to share our experiences and perhaps initiate new collaborations across advanced research and education networks.

Chair: David Billard, University of Geneva, billard@cui.unige.ch [PC, SC]

Speakers:

Ted Hanss, Director, Applications Development, Internet2, ted@internet2.edu [D]

Jeremy Cooperstock, Assistant Professor, McGill University [DA]

Ann Doyle, Manager, Arts & Humanities Initiatives, Internet2 [DA]

Brian Shepard, Coordinator of Music Technology Programs, University of Oklahoma School of Music [DA]

Tom Snook, Director, Technology, New World Symphony [DA]

DE4 Thu 11:00-12:30

Transport optimisations for real-time IP over cellular links

Numerous hurdles are faced in merging the worlds of the Internet and cellular telephony. One major challenge lies in transporting IP efficiently over wireless cellular links. The demonstration aims to illustrate how traditional IP solutions fare poorly under this environment, specifically in the areas of header compression and security, and how Ericsson's proposals currently undergoing standardisation within the IETF forum, can be used to overcome this. The

presentation consists of background information, followed by a live demonstration running customised software.

Chair: David Billard, University of Geneva, billard@cui.unige.ch [PC, SC]

Speakers:

Vicknesan Ayadurai, Ericsson Research, Sweden
vicknesan.ayadurai@ericsson.com [D]

DE5 Thu 14:00-15:30

Cellular IPv6 Demonstrator

"Intra-domain mobility is an interesting topic in current research. Implementations for IPv4 have been developed recently, however IPv6 research and implementations are very recent. We have developed Cellular IPv6 to provide mobility within a domain while interoperating with Mobile IPv6. CIPv6 takes advantage of IPv6 features to simplify and streamline the protocol. In this demonstration we show CIPv6 in action, explain functionality, code workings and new optimization features."

Chair: David Billard, University of Geneva, billard@cui.unige.ch [PC, SC]

Speakers:

Zach D. Shelby, University of Oulu, Finland,
zach.shelby@ieee.org [D]

DE6 Thu 16:00-17:30

IPv6 in Cellular networks

This demo session will show how the IPv6 protocol can be introduced to the user equipment and how mobile users can access legacy IPv4 services in the Internet by using different migration tools. It will also show how an end-user can make use of different access technologies, while established connections are maintained, as well as how the network assures that high priority data (e.g. voice) is routed through the access network with no latency as the traffic load of non-prioritised data (e.g. web-browsing) increases.

Chair: David Billard, University of Geneva, billard@cui.unige.ch [PC, SC]

Speakers:

Conny Larsson, Ericsson Research
Conny.Larsson@era-t.ericsson.se [D]

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_demo.shtml>
was last updated Sunday, 03-Jun-2001 09:15:58 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

. Home
. Welcome
. FINAL PROGRAM
. Program at a Glance
. Technology Summit
. Government/Use of the Internet Summit
. Tutorials
. AC and BOT meetings
. Advanced Network Training Workshops
. Hotels
. Stockholm Tour Info
.Conference Sponsors
. Media Sponsors
. Press Information

PDF brochure
. Registration Form
. Preliminary Program
. Sponsorship Brochure
. INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Governance and Regulation Summit

Summit Commitee: Hans Klein, Michael Nelson, Izumi Aizu

Governance and Regulation Summit The Governance summit will include panels and presentations on content regulation and censorship, intellectual property and peer-to-peer networks, ICANN, a policy slam on Internet development, and reports from international organizations and businesses.

GS1 6 June 11:00-12:00

Content Regulation and the Internet

As the Internet becomes a mass medium and as broadband networks capable of delivering audio and video become more affordable, governments are growing increasingly concerned about illegal, adult, or harmful content being distributed over the Internet. In many cases, they are responding to parents' concerns about the need to protect children. In other cases, government seek to repress "subversive" political speech or harmful content being distributed over the Internet. In many cases, they are responding to parents' concerns about the need to protect children. In other cases, government seek to repress "subversive" political speech.

Moderator: Peng Hwa Ang, Nanyang Technological Univ. Singapore

Panelists: *Title of Presentation*

Peter Coroneos, Internet Industry Assn, Australia

Jacques Berleur, Institut d'Informatique, Cellule interfacultaire de Technology Assessment (CITA), BELGIUM

Richard Swetenham, European Commission, Information Society DG, Luxemburg

Parry Aftab, Cyberangels USA

Michael Geist, Univ. of Ottawa, Canada

GS2 6 June 14:00-15:30

Global Cyberdemocracy? Civil Society participation in global policy

Globalization in areas like e-commerce, trade, environment, and law Globalization in areas like e commerce, trade, environment, and law enforcement has been accompanied by growth in frameworks for

global coordination. For the most part, these organizations unite governments and/or industry. Is there is role for civil society (non-profit, non-governmental voluntary associations)? What models and practices are emerging?

Chair: Shalini Venturelli, George Washington University USA

Speaker:

Steven Clift, Democracies Online, USA	Revitalizing Politics: From the Very Local Level to Global Affairs.
Hans Klein, Georgia Institute of Technology, USA	ICANN and Global Democracy
Karl Auerbach, ICANN Director At Large,	The ICANN At Large Membership
Christine Maxwell, ISTF Chiliad, France	ICANN Director at Large

GS3 6 June 16:00-17:30

The Role of International Organizations in Accelerating the Internet and e-Business

The Internet was "born global." It is not constrained by national boundaries and often by-passes national regulations. As a result, in recent years various international organizations have launched efforts to facilitate the growth of the Internet by addressing key policy issues and by promoting e-business and other uses of the Internet. This panel will examine the roles of the World Trade Organization, UNESCO, and other intergovernmental organizations as well as those of private sector groups such as the Global Business Dialogue on E-business and the Global Internet Project.

Moderator: Mike Nelson

Panelists:

Mark Engelman, Domain Network

P.D. Kaushik, Rajiv Gandhi Foundation, India

Stéphane Ducable, Alcatel, France

Phillipe Queau, UNESCO, France — UNESCO's Internet programs

GS4 7 June 11:00-12:30

International Development Slam

Back by popular demand, this lively and interactive session allows any participant three minutes at the microphone to propose a plan, project, or policy to speed up the spread of the Internet. The audience votes on the best plan.

Moderator: Izumi Aizu

GS5 7 June 14:00-15:30

Privacy and surveillance in Cyberspace

Governments are growing increasingly concerned about the use of the Internet for criminal activities and are starting to take steps to ensure that law enforcement agencies can intercept and read digital

communications. Internet users concerned about the privacy of their communications are vigorously opposing government regulations that would give the police and others access to their e-mail. How best to reconcile these conflicting goals?

Moderator: David Sobel, EPIC (Nelson)

Panelist:

Ravi Kumar Dhar, Punjam Agricultural Univ, India

GS6 7 June 1600

E-commerce Case Studies

What is the state of e-commerce outside of the US? Wireless services, government intervention, and new models for e-commerce in Asia will be covered.

Moderators: Madanmohan Rao <madan@inomy.com>

Panelists:

Hong Liang Hiew, Murdoch U, Australia	3G Wireless Services for E-commerce
Lee Si-Si, Lora, Nanyang Tech. Univ, Singapore	Role of government in Singapore's business-tobusiness Internet commerce development
Juan Zapardiel, Spanish Government, Spain	E-commerce: new challenges to the European Tax system
Rex Hughes, University of Washington	

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_governance.shtml>
was last updated Sunday, 03-Jun-2001 09:15:57 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement

- Home
- Welcome
- FINAL PROGRAM
- Program at a Glance
- Technology Summit
- Government/Use of the Internet Summit
- Tutorials
- AC and BOT meetings
- Advanced Network Training Workshops
- Hotels
- Stockholm Tour Info
- Conference Sponsors
- Media Sponsors
- Press Information

PDF brochure
- Registration Form
- Preliminary Program
- Sponsorship Brochure
- INET 2000 Proceedings

inet 2001

5-8 June 2001 - Stockholmsmässan - Stockholm, Sweden
inet2001@ISOC.ORG

Uses of the Internet Summit

Summit Commitee: Anne Villems, David Lassner, Rolf Nordhagen, Bill Wright, Bob Hata

Uses of the Internet Summit The Uses of the Internet Summit will include sessions on e-commerce, medical knowledge, prize-winning stories from developing countries, community technology centers, education and mobile learning environments, youth on the Internet, and indigenous groups. There will be special Friday sessions on disabilities issues and imagining the future of the Internet.

US1 6 June 11:00-12:30

Stories from Developing Countries

The Stories Project is a contest sponsored by the World Bank and IICD in Holland to collect the most compelling applications of information technology for the developing world. The winners are announced at this session.

Moderator: George Sadowsky, ISOC

Panelists:	*Title of Presentation*
Franck Martin, SOPAC, Fiji	The Internet and the Fiji and Solomon Coups (U85)

US2 6 June 14:00-15:30

Youth and the Internet

Young people from Llano Grande Center in Elsa, Texas, in the rural border area between Mexico and the US, present projects in oral history, community radio, digital video, and a Spanish language institute .

Chair: Francisco Guajardo, Llano Grande Center, USA. f_guajardo@yahoo.com

Speakers:

Virginia Rodriguez

Jose Hinojosa

Cecilia Garza

Daniel Guajardo

US3 6 June 1600

Art & Activism on the Net

Technologists as artists and activists using wireless and the Internet will discuss their projects for collaborative music creation, art and activism.

Moderators: Geert Lovink, geert@xs4all.nl

Panelists:

Institute for Applied Autonomy, Pittsburgh, USA

Gretchen Schoel, College of William and Mary, USA	Blues, global jams, and the Play of Identity Across Cultures On-Line

Marita Liulia, Medeia Ltd. Finland

Gerbrand Oudenaarden, Engage Tactical Media, Netherlands

US4 6 June 11:00-12:30

Mobility and Learning

The intersection of mobile wireless networks and learning technologies presents exciting new opportunities and challenges for students and educators.

Moderators: Jim Williams EDUCAUSE

Alberto Escudero Pascual, Royal Institute of Technology, Sweden	Kista - IT University Wireless Network -Privacy in mobile internetworking
Jose Silvio, UNESCO, Venezuela	Virtual mobility and lifelong learning on the Internet

US5 6 June 14:00-15:30

Urban Design and Cyberspace

Distance is not dead, but new technologies are causing architects and planners to rethink the design of physical and public spaces, which take on new meaning in a world that is spending more time in front of a screen.

Moderators: Mark Wilson, Michigan State University, USA

Panelists:

Anthony M. Townsend, Taub Urban Research Center, New York University, USA	The Persistence of Place: Mobile Internet and the Use and Design of Urban Public Spaces
Mark Wilson, Michigan State University, USA	Death of Distance/Rise of Place: The Impact of the Internet on Locality and Spatial Organization
Matt Locke, Kirklees Media Centre, UK;	Social Technologies and Urban Space: presenting recent artistic commissions using mobile technologies.

US6 6 June 16:00-17:30

Creating Online Communities of Medical Knowledge and Trust: Tales from Two Continents

People with cancer and African malaria researchers: what do they have in common? They are communities of users or potential users of communications technology as tools to a greater good. These same people are often isolated from one another and from useful resources by geography, distance, and disease

in industrialized and rural areas behind barriers erected by fear, hierarchies, and the remnants of colonial empires. Who are these users? What are the technologies that support them? Where are they in the broad scheme of development and how are they creating new paradigms - new ways of doing science, new ways of dealing with disease?

Moderators: Julia Royall, National Library of Medicine, USA

Panelists:

Bernard Glassman, informatics futurist, USA

National Cancer Institute, National Institutes of Health

Mike Jensen, consultant South Africa

Henry Lieberman, Senior Scientist, MIT Media Lab

George Sadowsky, consultant USA

US7 7 June 16:00-17:30

Questioning the Telecenter Movement

Telecenters or community technology centers have been providing public access to computing and networked resources for more than 30 years, but in the past few years thousands of pilot projects, franchises, and grass roots efforts have been opening their doors in urban and rural areas all over the world. This panel will look at the challenges, the hype, the successes and failures of the different models.

Moderators: Raul Roman, Cornell University, USA

Panelists:

Royal Colle, Cornell Univ. USA

Anastasia Nakkazi, UNESCO, Uganda

Bill Murray, Small World Connections, UK

Johan Ernberg, 7Cs WorldBridge Consultants, Switzerland

Michel Menou, London City University, UK

Paula Uimonen,Stockholm University, Sweden

Gáspár Mátyás, DirectorTelecottage Public Benefit Company, Hungary

US8 7 June 14:00-15:30

Indigenous and Diaspora Groups and the Internet

Indigenous group including those who have been displaced by wars and politics are using the Internet in different ways to help preserve their cultures and facilitate communications. This session is a discussion between Maori, Tatar, and Sami Internet users about the benefits and challenges of the Net.

Moderators: Steve Cisler, USA cisler@pobox.com

Panelists:

Kemal Altintas, Bilkent

e-TATARS: Virtual

University, Turkey	Community of the Crimean Tatar Diaspora
Robyn Kamira, Maori Representative, New Zealand	
Aanta Heikka Forsgren, Forest Sami Representative, Sweden	

US9 7 June 16:00-17:30

Equity of Access: Solutions and problems

Access to the benefits of ICT has many components: connectivity, training, physical access, and cost. Practitioners from around the world present solutions to problems facing all of us in both developing and developed nations.

Moderators: Bill Wright, ITC, USA

Panelists:

Dirk Koning Community Media Center, Grand Rapids USA	Community Multi-Media Centers
Adrian Bates, VICNET, Australia	Birth of the Skills.net Association Cooperative
Klaus Frey, U. of Parane, Brazil	Exploring the Internet in favor of sustainable community development
V.K.S. Samaranayke, Univ. of Colombo, Sri Lanka	Benefits of Internet to Rural Communities: A Sri Lankan initiative based on inexpensive solutions
Tatsuya Yamamoto	The Japanese IT Support Policy toward Development countries - Implication from Bangladesh and Malaysian Case

US10 7 June 11:00-12:30

Using Today's Internet for Tomorrow's Education: The Ends of the Spectrum

Three papers that represent strikingly different examples of creative approaches to using technology to enhance students' learning.

Moderators: Jacqueline Brown, U. of Washington, USA

Panelists:

Timothy W. Luke, Virginia Tech, USA	The On-Line Master's of Arts in Political Science; Development and Support for Low Cost, High Accessibility, Worldwide Online Education
Robert Rallo, University Rovira i Virgili, Spain	JLE2: Towards An Ims Compliant Distributed Learning Environment

US11 7 June 14:00-15:30

Ecommerce in Developing Countries

Developing country IT specialists and entrepreneurs in startups will discuss Implications, concerns and barriers found by young start-ups when developing e-commerce initiatives (technical, policy, risk, funding issues). The panel will explore the involvement of ISOC in addressing these issues, make recommendations and explore best practices.

Moderators: Rosa Delgado, SITA Switzerland

Panelists:

Michael Minges, ITU, Switzerland	The Relevance of Mobile Internet for Developing Countries
Madanmohan Rao, INOMY.com, India	Community Networks in Emerging Economies: Local Applications of Global Networks"
Mohammed-Sani Abdulai, CICT, Ghana	
Alpha Bah, UNDP, North Korea	

US12 7 June 11:00-12:30

Origin of the Users: An Evolutionary Taxonomy of Internet Users

The panel will present specific but representative case studies or general trends derived from broad experience in developing countries that describe how an individual user's or group of users' concept of and use of the Internet changes over time and with increasing exposure.

Moderators: Mary Fontaine, AED, Washington USA

Panelists:

Steve Dorsey AED, USA	
Richard Fuchs, IDRC Canada; Kristi McBride, FutureWorks, Canada	
Nils Zurawski U. of Münster,Germany	Internet Usage Around the World
Chitra Radhakishun	United Nations Trade Development, Switzerland

US13a 8 June 8:30

Disabilities and General Issues

The Panel will discuss disability issues as related to the Internet on an International basis. This will range from General accessibility issues, to legal and policy issues, to specifics on accessibility issues and the Internet as they have appeared in an international arena. There will also be a short presentation on implementing accessibility on medium to large organizations.

Moderators: Mike Burks AT&T USA

Panelists:

Tom Worthington, Tomw Communications Pty Ltd,	Olympic Failure: A Case for Making the Web

Australia	Accessible
Cynthia Waddell, Accessibility Center of Excellence, USA	
Riina Reinumagi, Univ. of Tartu, Estonia	Internet Usage Around the World
YJ Park, MINC, Singapore	

US13b 8 June 14:00

Disabilities and Education

There are critical issues involved with education and people with disabilities. This panel will explore some of those issues on a worldwide basis.

Moderators: Mike Burks AT&T

Panelists:

Lim Kin Chew, Enable2000, Singapore

David Yong,Jurong Garden School, Singapore

Taylor Kearns International Center for Disability Resources on the Internet, USA

Cynthia Waddell Accessibility Center of Excellence, USA

US14 8 June 8:30

E-commerce

What is the state of e-commerce since the Internet investment bubble has deflated?

Moderators: Scott Gunn, USA

Panelists:

Greg Adamson, ICL, Scotland	Dancing With Dinosaurs
Roland E. Schmid, Univ. of St. Gallen, Switzerland	How Process Portals Simplify Life
Bo Harald, Nordea Group Management, Finland	

US15 8 June 14:00

Future Uses of the Internet

This session brings together people within public and private R&D structures, who are active in trying to identify, experiment and evaluate future Internet uses based on broadband, mobile and pervasive access, new user interfaces and terminals, etc. It will allow participants to exchange visions of where Internet uses will go, but also of how we can help these uses emerge and how experiments and evaluation methods should allow users to self-appropriate technological innovation in unforeseen ways.

Moderators: Daniel Kaplan FING / ISOC France

Panelists:

Franck Boissiere, European Commission, Belgium

B.Svante Eriksson, Ericsson, Sweden

David Macneil, CANARIE, Canada

Laurent Ponthou, France Telecom R&D, France

Mark Reschor John Meyer, CommerceNet, USA

Jacqueline Tammenoms Bakker, Gigaport,

Netherlands
Jean-Pierre Tubach, RNRT, France
Pierre Bouchard, RISQ (Canada)
Jean-Claude Guedon, Université de Montreal (Canada)

Key:
[PC] PC member
[S] Speaker
[P] Panelist
[PM] Panel Moderator
[SO] Session Organizer
[SC] Session Chair
[D] Demonstrator
[DA] Demonstration Assistant
[KS] KeyNote speaker
[KP] KeyNote panelist

1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108
Tel: +1 703 326 9880 Fax: +1 703 326 9881

4, rue des Falaises, CH-1205, Geneva, Switzerland
Tel: +41 22 807 1444 Fax: +41 22 807 1445

This document <http://www.isoc.org/inet2001/F_uses.shtml>
was last updated Sunday, 03-Jun-2001 09:15:53 EDT.
Copyright © 2001 Internet Society. All Rights Reserved.

Webmaster@ISOC.ORG
Site Credits | Privacy Statement