

Conference program INET 2001, 6-8 juni

A Net Odyssey Mobility and the Internet

T Technology Summit

G Governance Legislation and Regulation Summit

U Uses of the Internet Summit

Tuesday 5 June

Stockholm City Hall

19.00-21.00 **Opening reception**

Wednesday 6 June

Stockholm International Fairs

07.30-18.00 **Registration**

10.00-18.00 **Exhibition open**

08.30-09.00 **Opening Session**

09.15-10.30 **The Interplanetary Internet: The Next Frontier in Mobility**

T Chair / Moderator: Vinton G. Cerf, WorldCom
Introduction and Overview, Vinton G. Cerf, WorldCom
Future space mission scenarios Adrian J. Hooke, Jet Propulsion Laboratory
In-situ Internets, Mr. Robert Durst The MITRE Corporation
U.S.A., Interplanetary Backbone, Scott Burleigh, NASA Jet Propulsion Laboratory, Interplanetary Dialog Eric Travis Global Science and Technology, Inc.

09.15-10.30 **The Quest for Global Self-Regulation**

G At this panel, we will examine how much (rough) consensus we have.
Chair / 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.)
Alejandoro Pisanty, Vice Chair, ICANN, UNAM, Mexico

11.00-12.30 **Go get it! Metadata helps in finding information**

T Chair Clifford Lynch, CNI Coalition for Networked Information, USA
Get to it! -- identifiers, resolution and metadata, Leslie Daigle, Thinking Cat Enterprises, Canada
What is it? -- metadata and the Dublin Core Thomas Baker, GMD, Germany
Getting it together -- metadata harvesting and the open archives initiative, Clifford Lynch, CNI Coalition for Networked Information, USA

11.00-12.30 **Mobility: Setting the scene and Outrageous opinions panel**

T Chair: Gabriel Montenegro, Sun
Internet services in the context of mobile wireless networks, Randy Katz, UC Berkeley, USA
Why waste money on mobile Internet research?
Adam Wolisz, Technische Universität Berlin
Holger Karl, Technische Universität Berlin
Jochen Schiller, Freie Universität Berlin
Petri Mahonen, University of Oulu
Theo Kanter, Ericsson Research

11.00-12.30 **Real deployment of IPv6 in Europe: the 6INIT project**

T Session Chair: David Billard, University of Geneva
Demonstrator Jens Kristensen, Telebit

11.00-12.30 **Stories from Developing Countries**

U Chair / Moderator: George Sadowsky, ISOC
The Internet and the Fiji and Solomon Coups
Franck Martin, SOPAC, Fiji

11.00-12.30 **Mobility and Learning**

U Chair / Moderator: Jim Williams EDUCAUSE
Kista -- IT University Wireless Network -- Privacy in mobile internetworking
Alberto Escudero Pascual, Royal Institute of Technology, Sweden
Virtual mobility and lifelong learning on the Internet
Jose Silvio, UNESCO, Venezuela

11.00-12.30 **Content Regulation and the Internet**

G Chair / Moderator: Peng Hwa Ang, Nanyang Technological Univ. Singapore
Panelists: Peter Coroneos, Internet Industry Assn, Australia
Jacques Berleur, Institut d'Informatique, Cellule interfacul-taire de Technology Assessment (CITA), BELGIUM
Richard Swetenham, European Commission, Information Society DG, Luxemburg
Parry Aftab, Cyberangels USA
Michael Geist, Univ. of Ottawa, Canada

12.30-14.00 **Lunch break**

14.00-15.30 **Where am I and who's with me?**

T Chair / Moderator: Patrik Fältström, Cisco Systems
LocaPhone -- Location aware group communication for mobile groups, Ulrich Walther, International University Bruchsal
Location Based Visibility of Services, Prabuddha Biswas, Oracle Corporation
Interoperability Issues for Geo-Information in the Internet, Haitao Tang, Nokia

14.00-15.30 **IPv6 and the wireless world**

T Chair / Moderator: Latif Ladid, Ericsson-Telebit
Mobile IPv6 and some issues for QoS, JIAN MA, R&D, NOKIA (China), Cellular IPv6 with Route Optimization, Zach D. Shelby, University of Oulu
Network Design with Mobile IP, Ulf Gustafson, ipUnplugged AB

14.00-15.30 **Law Enforcement, Privacy and the Internet**

T Chair / Moderator: Barbara Fraser, Cisco Systems
Panelists: Nils Gunnar Billinger, PTS, Sweden
Stefan Kronkvist, LE-Stockholm
Maurice Wessling, Dutch Privacy Fighters

14.00-15.30 **Behind all theories: Effective network configuration for real cases**

T Chair / Moderator: David Billard, University of Geneva
Martin Bokaemper, Unisphere Networks, Canada
Maximilian Riegel, Siemens AG, Germany

14.00-15.30 **Global Cyberdemocracy?**

G Civil Society participation in global policy
Chair / Moderator: Shalini Venturelli, George Washington University USA
Revitalizing Politics: From the Very Local Level to Global Affairs.
Steven Clift, Democracies Online, USA
ICANN and Global Democracy, Hans Klein, Georgia Institute of Technology, USA
The ICANN At Large Membership, Karl Auerbach, ICANN
Director At Large, Christine Maxwell, ISTF Chiliad, France

14.00-15.30 **Urban Design and Cyberspace**

U Chair / Moderator: Mark Wilson, Michigan State University, USA
The Persistence of Place: Mobile Internet and the Use and Design of Urban Public Spaces, Anthony M. Townsend, Taub Urban Research Center, New York University, USA
Death of Distance/Rise of Place: The Impact of the Internet on Locality and Spatial Organization, Mark Wilson, Michigan State University, USA

14.00-15.30 **Youth and the Internet**

U Chair / Moderator: Francisco Guajardo, Llano Grande Center, USA.

15.30-16.00 **Coffee break**

Exhibition hall

16.00-17.30 **Internet Dynamics and IP in 3GPP**

T Chair / Moderator: Scott Bradner, Harvard University
High Precision Active Probing for Internet Measurement, Attila Pasztor, Ericsson Hungary R&D
Reliable Multicast Considering the Temporal Dependence in Packet Loss), Suyoung Yoon, Korea Telecom
On the Impact of TCP Protocol on End-User Perceived Traffic Self-Similarity, Zsolt Kenesi, Ericsson Research, Hungaria
Internet Protocols on the 3GPP SIM, Scott Guthery, Mobile-Mind, Inc.

16.00-17.30 **Tweaking the Networks**

T Chair / Moderator: Randy Katz, UC Berkeley, USA
An Internet inspired approach to conversational multimedia in 3G cellular networks, Göran AP Eriksson, Ericsson Research
TCP Performance in High Data Rate Wireless Environments, Reiner Ludwig, Ericsson Research, Reiner
Marrying Wireless Technologies, John W. Noerenberg, Qual-

comm Incorporated, Use of RSIP within GPRS Networks, Senthil Sengodan, Nokia, USA

16.00-17.30 **Virtual Private Networks**

T Chair / Moderator: Marco Carugi, France Telecom
Introduction and overview of standardisation on IP VPNs, Marco Carugi, France Telecom
Kireeti Kompella, Juniper, U.S.A
Layer 3 Network Based VPNs based on the BGP/MPLS approach, Jean Philippe Vasseur, Cisco Systems, France
Layer 3 Network Based VPNs based on the Virtual Router approach, Hamid Ould-Brahim, Nortel Networks, Canada
CPE-based VPNs (GRE, L2TP, IPSEC, etc.), Jeremy De Clercq, Alcatel, Belgium

16.00-17.00 **Advanced Networking and the Arts: Innovations in Outreach, Collaboration and Performance**

T Chair / Moderator: David Billard, University of Geneva
Demonstrators: Ted Hanss, Director, Applications Development, Internet2
Jeremy Cooperstock, Assistant Professor, McGill University
Ann Doyle, Manager, Arts & Humanities Initiatives, Internet2
Brian Shepard, Coordinator of Music Technology Programs, University of Oklahoma School of Music
Tom Snook, Director, Technology, New World Symphony [DA]

16.00-17.30 **Creating Online Communities of Medical Knowledge and Trust: Tales from Two Continents**

U Chair / Moderator: Julia Royall, National Library of Medicine, USA
Bernard Glassman, National Cancer Institute, National Institutes of Health, informatics futurist, USA
Mike Jensen, consultant South Africa
Henry Lieberman, Senior Scientist, MIT Media Lab
George Sadowsky, consultant USA

16.00-17.30 **The Role of International Organizations in Accelerating the Internet and e-Business.**

G Chair / Moderator: Mike Nelson
Mark Engelman, Dornain Network
P.D. Kaushik, Rajiv Gandhi Foundation, India
Stéphane Ducable, Alcatel, France
Phillipe Queau, UNESCO, France (UNESCO's Internet programs)

Thursday 7 June

10.00-18.00 **Exhibition open**

09.00-10.30 **Mobility and the Internet**

Kurt Hellström, CEO, Ericsson
Chair / Moderator: Francois Fluckiger, CERN

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

T 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, François Fluckiger, CERN
Panelists: Dr. Martin de Prycker, CTO, Alcatel
Dr. Helmut Schink, Vice President, Information and Communication Networks Siemens AG
Mr. Mats Nilsson, Corporate Director, Ericsson
Dr. Vinton G. Cerf, Senior Vice President, WorldCom Corporation
Mr. Ove L. Alm, CTO, Skanova, Telia Networks

11.00-12.30 **Transport optimisations for real-time IP over cellular links**

T Chair / Moderator: David Billard, University of Geneva
Demonstrator
Vicknesan Ayadurai, Ericsson Research, Sweden

11.00-12.30 **Internationalized Access to Domain Names**

T Chairs / Moderators: James Seng, i-DNS.net, IDN Marc Blanchet, Viagenie Inc
Panelists: Vint Cerf, WorldCom, ICANN/ISOC
John Klensin, AT&T Research, IAB
Harald Alvestrand, Cisco Systems, IETF
Patrik Fältström, Cisco Systems, IDN/IESG
Patrick O'Brien, i-DNS.net,
Adam Costello, U of Berkeley, IDN
Scott Hollenbeck, Verisign

- 11.00-12.30 **Now playing on your home network! Video distribution over the Internet**
T Chair / Moderator: Erik Huizer, Dutch Broadcast Services Corporation, The Netherlands
Scandinavian Media Exchange, Sofia Malesko, Skanova, Sweden
Real 8, Rob Lanphier, Real Networks, USA
On MPEG4 streaming, Jan van der Meer, Philips, The Netherlands
- 11.00-12.30 **New Approaches to Internet Routing**
T Chair / Moderator: Lyman Chapin, NextHop Technologies, USA
Panelists: Howard C. Berkowitz, Nortel Networks, USA
Susan Hares, Chairman and CTO, NextHop Technologies USA
Frank Kastenholz, Unisphere Networks, USA
- 11.00-12.30 **Using Today's Internet for Tomorrow's Education: The Ends of the Spectrum**
U Chair / Moderator: Jacqueline Brown, U. of Washington, USA
The On-Line Master's of Arts in Political Science; Development and Support for Low Cost, High Accessibility, Worldwide Online Education, Timothy W. Luke, Virginia Tech, USA
JLE2: Towards An Ims Compliant Distributed Learning Environment, Robert Rallo, University Rovira i Virgili, Spain
Virtual Heritage at iGrid 2000
- 11.00-12.30 **International Development Slam**
G Chair / Moderator: Izumi Aizu
- 11.00-12.30 **Origin of the Users: An Evolutionary Taxonomy of Internet Users**
U Chair / Moderator: Mary Fontaine, AED, Washington USA
- 12.30-14.00 **Lunch break**
- 14.00-15.30 **Cellular IPv6 Demonstrator**
T Chair / Moderator: David Billard, University of Geneva
Demonstrator
Zach D. Shelby, University of Oulu, Finland
- 14.00-15.30 **New Interconnection Architectures**
T Chair / Moderator: Kireeti Kompella, Juniper
Panelists: Kireeti Kompella, Juniper
George Swallow, Cisco Systems, USA
James Luciani Tollbridge Technologies, USA
John Drake, Calient Networks, USA
- 14.00-15.30 **Indigenous and Diaspora Groups and the Internet**
U Chair / Moderator: Steve Cisler, USA
e-TATARS: Virtual Community of the Crimean Tatar Diaspora
Kemal Altintas, Bilkent University, Turkey
Robyn Kamira, Maori Representative, New Zealand
Aanta Heikka Forsgren, Forest Sami Representative, Sweden
V.K.S. Samaranayke, Univ. of Colombo, Sri Lanka
- 14.00-17.30 **Serving Mobile devices**
T Chair / Moderator: Mikael Nilsson, Ericsson, Sweden
Mobile Aware Server Architecture, MARCH
Björn Landfeldt, Ericsson Research
Location Privacy in Mobile Internet
Alberto Escudero Pascual
Trust Models, Certificate Formats, Authorization
Matthew S. Hamrick, Meson Group
WAP NG and iMode 2: Convergence effects on services
Johan Hjelm, Ericsson Research Japan
- 14.00-15.30 **On-line Gaming**
T Chair / Moderator: Ragnar Lönn, Gatorhole
A new network infrastructure for multiplayer gaming
Dr. Magnus Jandel, Terraplay Systems
Building entertainment applications and games: "pervasive mobile gaming"
Sven Hålling, CEO, It's Alive
- 14.00-15.30 **Internet Performance and Quality of Service**
T Chair / Moderator: Scott Bradner, Harvard University
QoS enabled Layered Multicast Transmission of Multimedia Data in a Wireless Environment.
Bindignavile S. Srinivas, NOKIA
Providing cost-effective Internet access: The LEARN experience
Gihan V. Dias, Lanka Education and Research Network
MPLS and DiffServ for UMTS QoS Support in Core Network
Hemant M. Chaskar, Nokia Research Center
- 14.00-15.30 **E-commerce in Developing Countries**
U Chair / Moderator: Rosa Delgado, SITA Switzerland
The Relevance of Mobile Internet for Developing Countries
Michael Mingos, ITU, Switzerland
Community Networks in Emerging Economies: Local Applications of Global Networks"
Madanmohan Rao, INOMY.com, India
Mohammed-Sani Abdulai, CICT, Ghana
Alpha Bah, UNDP, North Korea
- 14.00-15.30 **Privacy and surveillance in Cyberspace**
G Chair / Moderator: David Sobel, EPIC (Nelson)
Ravi Kumar Khar, Punjam Agricultural Univ, India
Marty Abrams, Privada, USA
Gus Hosein, Privacy International, UK
- 15.30-16.00 **Coffee break**
Exhibition hall

- 16.00-17.30 **IPv6 in Cellular networks**
T Chair / Moderator: David Billard, University of Geneva
Demonstrator
Conny Larsson, Ericsson Research
- 16.00-17.30 **Safe surfing. Security issues**
T Chair / Moderator: Ran Atkinson, Extreme Networks, USA [SC]
Object Security and Personal Information Management
Göran Selander, Ericsson Research
Single Sign On – Scalable Authentication for Large Scale Secure Networks
Scott A. Isaacson, Novell Inc.
Intrusion detection with mobile agents
Noria Foukia, University of Geneva
On Securing Home Networks
Senthil Sengodan, Nokia
- 16.00-17.30 **Internet Management**
T Chair / Moderator: Franck Boissiere, European Commission
Performance management of IP based wireless networks
Sandor Albrecht, Ericsson Research, Hungary
Wide Area Networks Management with Geoinformation and 3D Presentation of Objects under Management
Veaceslav Sidorenco, Technical University of Moldova
Performance Measurements of MPLS Traffic Engineering and QoS
Tamrat Bayle, Hiroshima University
- 16.00-17.30 **Questioning the Telecenter Movement**
U Chair: Raul Roman, Cornell University, USA
- 16.00-17.30 **Equity of Access: Solutions and problems**
U Chair / Moderator: Bill Wright, ITC, USA
Community Multi-Media Centers
Dirk Koning Community Media Center, Grand Rapids USA
Birth of the Skills.net Association Cooperative
Adrian Bates, VICNET, Australia
Exploring the Internet in favor of sustainable community development
Klaus Frey, U. of Parane, Brazil
Benefits of Internet to Rural Communities: A Sri Lankan initiative based on inexpensive solutions
V.K.S. Samaranayke, Univ. of Colombo, Sri Lanka
- 16.00-17.30 **E-commerce Case Studies**
G Chair / Moderator: Madanmohan Rao
3G Wireless Services for E-commerce
Hong Liang Hiew, Murdoch U, Australia
Role of government in Singapore's business-tobusiness Internet commerce development
Lee Si-Si, Lora, Nanyang Tech. Univ, Singapore
E-commerce: new challenges to the European Tax system
Juan Zapardiel, Spanish Government, Spain

Friday 8 June

- 09.00-13.00 **Exhibition open**
- 08.30 **Internet in Sweden for Democracy and Development**
G Björn Rosengren, Minister for Industry, employment and communications
- 09.00-10.30 **Operator Perspective**
T Chair / Moderator: Steinar Dahlin, Ericsson
Wireless SNMP
Julia Kantorovitch, University of Oulu
GPRS & UMTS from a Internet operator perspective
Lars-Michael Jogbäck, Tele2
Mobile Internet from the Operator perspective
Jan Karmakar, Telia
- 09.00-10.30 **Instant, reliable, unified, secure, wireless, volume, multi-media messaging**
T Chair / Moderator: Dave Crocker, Brandenburg Internet-Working
Millenial Mail: Continuity and Evolution
Dave Crocker, Brandenburg InternetWorking
Adding email emulation of established business quality
Claudio Allocchio, GARR, Italy
Email as the Cinderella protocol?
Graham Klyne, Baltimore Technologies
- 09.00-10.30 **Aspects of Wireless Networking**
T Chair / Moderator: Franck Boissiere, European Commission
Network access control for wireless LANs
Maximilian Riegel, Siemens AG, Germany
Ad-hoc IP Networks over Bluetooth
Per Johansson, Ericsson Corporate Research, Sweden
On IP Radio Access Network (RAN) Security
Ram Gopal, Nokia Networks, USA
- 08.30 **Disabilities and General Issues**
U Chair: Mike Burks, AT&T USA
Olympic Failure: A Case for Making the Web Accessible
Tom Worthington, Tornw Communications Pty Ltd, Australia
Cynthia Waddell, Accessibility Center of Excellence, USA
Riina Reinumagi, Univ. of Tartu, Estonia
YJ Park, MINC, Singapore

- 08.30 **E-commerce**
U Chair / Moderator: Scott Gunn, USA
Dancing With Dinosaurs
Greg Adamson, ICL, Scotland
How Process Portals Simplify Life
Roland E. Schmid, Univ. of St. Gallen, Switzerland
Taylor Kearns International Center for Disability Resources on the Internet, USA
- 10.00 **Intellectual Property Debate**
G Chair: David Maher, ISOC
John Perry Barlow, Electronic Frontier Foundation, USA
Alan Dixon, IFPI, UK
Patrik Fältstrom, Cisco Sweden
- 14.00 **Future Uses of the Internet**
U Chair / Moderator: 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)
- 14.00 **Disabilities and Education**
U Chair / Moderator: 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

Deletions or corrections may have occurred after publication.

Conference Themes

Technology Summit
Program Chair: Francois Fluckiger, CERN

Infrastructure Technologies Thread
Thread Chairs: Scott Bradner, Harvard University;
Franck Boissiere, European Commission

Application Technologies Thread
Thread Chairs: Erik Huizer, Dutch Broadcast Services Corporation; Patrik Fältström, Cisco Systems

Mobility Technologies Thread
Thread Chairs: Gabriel Montenegro, Sun; Steinar Dalin, Ericsson

Special IETF Thread
Thread Chair: Fred Baker, Cisco Systems

Demonstration Thread
Thread Chair: David Billard, University of Geneva

Technology Plenary Sessions Thread
Thread Chairs: François Fluckiger, CERN

Uses of the Internet Summit
Program Chair: Steve Cisler

Governance and Regulation Summit

Uses of the Internet Summit
Summit committee: Anne Villemis, David Lassner, Rolf Nordhagen, Bill Wright, Bob Hata

Governance and Regulation Summit
Summit committee: Hans Klein, Michael Nelson, Izumi Aizu

Welcome to register on:
www.isoc.org/inet2001

