Date	Time	Slot	Theme	Type	Title	ID
17	09:00-17:30	Tutorial#1		Tutorial	Running Applications on High-speed Networks -Theory, Practice, and Case Study	503
		Tutorial#2		Tutorial	Java and Database Connectivity	504
		Tutorial#3		Tutorial	Building Acessible Web Sites, or Making Sure Everyone Gets Your Message	21
		Tutorial#4		Tutorial	E-Business in Practice	377
18	09:00-12:30	Tutorial#6		Tutorial	Brittle - Prepare Your DNS for the Future	50
	14:00-17:30	Tutorial#5		Tutorial	An Overview of Security in Windows 2000	502
	09:00-17:30	Tutorial#7		Tutorial	Moving to XML	17
		Tutorial#8		Tutorial	Multiprotocol Label Switching (MPLS) - Technology and Implementation	20
		Tutorial#9		Tutorial	Cryptography for Privacy and Secure Distributed Systems	26
		Tutorial#10		Tutorial	IP Version 6 Primer	76
		Tutorial#11		Tutorial	Synchronous and Asynchronous Collaboration and Knowledge Management on the Internet	365
19	08:30-10:30	Plenary Session	1	Super Panel	Open Source Movement	
	11:00-12:30	Session#1	1	Panel	Securing the Infrastructure	
		Session#2	2	Paper	Measuring Cyberspace: How Big is It?	119/270/442
		Session#3	4	Paper	High and Low End: Applications above All	110/267/287
		Session#4	6	Paper	Distance Learning Issues and Tools	35/135/137/148
		Session#5	1	Paper	Multicast Technologies: Spreading the Word	252/277/419
		Session#6	8	Paper	Women and the Internet	48/333/391
		Session#7	8	Paper	Next Generation Internet Policy	105/151
	14:00-15:30	Session#1	1	Paper	Decongestants for Networks	149/204/440/449
		Session#2	1	Paper	IP6 Experience: Time to Deploy	147/203/274/323
		Session#3	3	Paper	Implications and Applications of Wireless Technology	195/213/220/266
		Session#4	5	Paper	New Technology for Health/Medical Applications	57/241/386/511
		Session#5	8	Paper	Government Policy and the Growth of the Internet	306/381/399
		Session#6	8	Roundtable	The State of the Internet: National Case Studies	89/171/194/214/278/376
		Session#7	6	Paper	The Arts, the Internet, and Education: What Do They Have to Offer Each Other?	332
	16:00-17:30	Session#1	1	Paper	Security: The Internet's Red Light District	404/412
		Session#2	2	Panel	QBone Bandwidth Broker Testbed: Early Experiences and Future Directions	316
		Session#3	4	Paper	The Search for Knowledge: Visualization, Sharing and Indexing	190/355
		Session#4	6	Paper	Networking Education and Education Networks	112/310/336/398
		Session#5	7	Paper	Trading Services in the Information Economy	95/157/288/303
		Session#6	8	Paper	The State of the Internet: Global Perspectives	212/305/314/372
		Session#7	8	Policy Slam	Policy Slam	
20	08:30-10:30	Plenary Session		Speech	Keynote Speech - John Chambers, President/CEO, Cisco Systems, Inc.	
		Plenary Session		Super Panel	Future of the Internet	
	11:00-12:30	Session#1	1	Paper	Eliminating the World Wide Wait	96/208/447/510
		Session#2	2	Panel	iGrid 2000: Demonstrating New Means for Global Collaboration	
		Session#3	3	Paper	Technical Frontiers of Wireless Wide Area Technologies	207/409/505
		Session#4	4	Paper	Emerging Multimedia	39/165/516
		Session#5	5	Panel	Quality of Medical/Health Information on the Internet	501/515
		Session#6	6	Paper	Novel Views and Uses of the Internet in Education and Communication	54/196/209
		Session#7	7	Paper	E-Commerce Policies and Strategies for a Global Inclusive e-Market	90/136/211/320
	14:00-15:30	Session#1	1	Paper	Internet QoS Provisioning: Differentiated Services and MPLS	315/438/509
		Session#2	2	Paper	Making TCP Faster, Fair and Scalable	124/126/331
		Session#3	3	Paper	Enabling Small Network Environments	448/500/514
		Session#4	4	Panel	Digital Audio and Video Applications on Advanced Research and Education Networks	300
		Session#5	5	Panel	The Internet and People with Disabilities	23/100
		Session#6	7	Paper	Opportunities and Threats in the Global e-Commerce Marketplace	184/199/237/428
		Session#7	8	Paper	Making Our Own Rules: Governance of Cyberspace	53/191/192/251
	16:00-17:30	Session#1	2	Super Panel	NGI Research Projects: What's New, What's Next and What Works?	400
		Session#2	8	Super Panel	On the Fringes of the Internet	
		Session#3	8	Super Panel	The Internet is not for Everyone (Yet) - A Policy Debate	
21	08:30-10:00	Session#1	1	Paper	Voice/Video in the Internet	200/253/401
		Session#2	2	Paper	Intelligent Web Navigation	114/167/432
		Session#3	5	Panel	Privacy and Security in the Use of the Internet to Support Medicine	450
		Session#4	7	Paper	Knowledge Management: The Key to Success in the Knowledge Society	40/77/179/181
		Session#5	8	Paper	Virtual Communities	65/122/302
		Session#6	8	Paper	Freedom of Speech, Content Filtering, and Linguistic Diversity in Cyberspace	107/164/170/325/370
		Session#7	8	Paper	Extreme Internet: Use of the Internet in Emergencies	121/131/327
	10:30-12:30	Plenary Session		speech	Keynote Speech - Dr. Kenichi Ohmae	
		Plenary Session		speech	Invited Speech - David Farber, CTO, Federal Communications Commission	

■ Monday, 17 July 2000　09:00–17:30

TUTORIAL		INSTRUCTOR			
#	title	instructor name	instructor organization	instructor country	instructor e-mail
Tutorial#1	Running Applications on High-speed Networks - Theory, Practice, and Case Study	Mark Gates	NLANR/DAST		
Tutorial#2	Java and Database Connectivity	Simon Brooke	Weft Technology Ltd	Scotland	simon@weft.co.uk
Tutorial#3	Building Accessible Web Sites, or Making Sure Everyone Gets Your Message	Michael Burks	International Center For Disablities on the Internet	USA	mburks952@att.net
Tutorial#4	E-Business in Practice	Gordon Howell	ec1.com	USA	gordon@ec1.com

■ Tuesday, 18 July 2000　09:00–12:30

TUTORIAL		INSTRUCTOR			
#	title	instructor name	instructor organization	instructor country	instructor e-mail
Tutorial#6	Brittle - Prepare Your DNS for the Future	Bill Manning	USC/Information Sciences Institute	USA	bmanning@isi.edu

■ Tuesday, 18 July 2000　14:00–17:30

TUTORIAL		INSTRUCTOR			
#	title	instructor name	instructor organization	instructor country	instructor e-mail
Tutorial#5	An Overview of Security in Windows 2000	Todd Needham	Microsoft	USA	toddn@microsoft.com

■ Tuesday, 18 July 2000　09:00–17:30

TUTORIAL		INSTRUCTOR			
#	title	instructor name	instructor organization	instructor country	instructor e-mail
Tutorial#7	Moving to XML	Simon Brooke	Weft Technology Ltd.	Scotland	simon@weft.co.uk
Tutorial#8	Multiprotocol Label Switching (MPLS) - Technology and Implementation	Martin Schulman	Juniper Networks, Inc.	USA	marty@juniper.net
Tutorial#9	Cryptography for Privacy and Secure Distributed Systems	Charlie Catlett	Argonne National Laboratory	USA	catlett@mcs.anl.gov
Tutorial#10	IP Version 6 Primer	Florent Parent	Viagenie Inc.	Canada	Florent.Parent@viagenie.qc.ca
Tutorial#11	Synchronous and Asynchronous Collaboration and Knowledge Management on the Internet	David Coleman	Collaborative Strategies, LLC	USA	davidc@collaborate.com

■ Wednesday, 19 July 2000　08:30–10:30

Welcome Address	Donald M. Heath / Jun Murai
Conference Recognition	Brian Carpenter / Toru Takahashi
Welcometo Yokohama	Dr. Hidenobu Takahide, Mayor, City of Yokohama
Sponsor Appreciation	Donald M. Heath / Hiroshi Fujiwara
Awarding of 2000 Jon Postel Award	Geoff Huston
Board of Trustees Acknowledgements	Donald M. Heath
Plenary Panel: Open Source Movement	
The scientific movement has grown out of a culture of gifts - scientists publish their results in order to gain visibility and fame - and the Internet, as well as the free source code movement, have grown on a similar basis. Launched in 1985 by Richard Stallman, (GNU), the free source code movement has blossomed into a broad front of projects best exemplified by the stunning success of Linux, the Unix-like kernel launched by Linus Torvalds in 1991. It is now challenging Microsoft's Windows NT in the server business and is poised to invade the desktop as well. Some call Linux the Internet Operating System and this is twice true: it could not have existed without the Internet and a lot of machines that are making up the Internet run on Linux. Apache, another free source code software, powers nearly half of all Internet servers in the world. This panel will discuss how these two gigantic communities are rapidly merging into one huge, new development that may be the real basis for the new net economy.	Jean-Claude Guédon Miguel de Icaza Bernard Lang
Closing of Opening Plenary Session	

Wednesday, 19 July 2000   11:00–12:30

#	THEME title	SESSION title	chair	chair organization	chair country	chair e-mail		speaker	speaker organization	speaker country	speaker e-mail	DESCRIPTION
1	Technologies for Internet Infrastructure	Securing the Infrastructure	Barb Fraser				Panel					The Internet was originally designed among a close group of people who trusted each other. The commercial Internet, however, has different requirements, which the Internet's development community has been addressing; this has become more apparent recently. Experts in the areas of Authentication and Authorization, Secure Routing, Secure Name Services, Intrusion Detection, and Perimeter Security will discuss the kinds of attacks we experience and their appropriate countermeasures.
2	Internet Science and Technology for the 21st Century	Measuring Cyberspace: How Big is It?					Paper	Susan C. Kinnevy	University of Pennsylvania School of Social Work	USA	kinnevy@ssw. upenn.edu	Internet is forming a huge and diverse cyberspace whose size and usage changes very rapidly. This session will present several attempts to estimate its size on the web and how communication is made over e-mail.
								Narushige Shiode	Centre for Advanced Spatial Analysis, University College London	UK	n.shiode@ucl. ac.uk	
								Nobuko Kishi	Tsuda College	Japan	kishi@tsuda.ac. jp	
4	Interactive, Multimedia, Innovative Contents (Live Demonstrations)	High and Low End: Applications Above All	Oliver B. Popov	University St. Cyril and Methodius	Macedonia	Oliver@MAR NET.MK	Paper	Joseph Mosley	The DelFin Project Inc.	USA	Jmosley@ delfinproject. com	Through voice and video, via text and graphics, the intensity and the variety of applications represents the Internet today. Most of them are capacity demanding, however there are efforts and results in using low end infrastructure. This session explores the benefits of media over a range of infrastructures.
								Takaaki Komura	Graduate School of Informatics, Kyoto Univ.	Japan	komura@kuis. kyoto-u.ac.jp	
								Masataka Ohta	Tokyo Institute of Technology	Japan	mohta@necom 830.hpcl.titech. ac.jp	
6	Education	Distance Learning Issues and Tools	Lee Caldwell	Hewlett-Packard	USA	lee_caldwell@ hp.com	Paper	Ng S. T. Chong	Institute of Advanced Studies/United Nations University	Japan	ngstc@ias.unu. edu	The Internet offers tremendous potential for the expansion of access to education across space and time while maintaining and even improving quality. Realizing that potential requires narrowing down the many possible approaches with consideration of a number of technical, pedagogical and implementation issues. This session will present the issues from a number of contexts, with discussion of several specific technical implementations of new web-based learning systems.
								Ferran R. Tarrag	Generalitat de Catalunya (PIE)	Spain	ferran@pie.xtec. es	
								Rachida Ajhoun	Institute for Study and Research on Arabic (IERA) RABAT	Morocco	ajhoun@emi.ac. ma/ajhoun@ iera.um5souissi. ac.ma	
								Yan Bodain	CRIM Formation	Canada	ybodain@crim.ca	
1	Technologies for Internet Infrastructure	Multicast Technologies: Spreading the Word	Steve Deering				Paper	Kenji Fujikawa	Kyoto University	Japan	fujikawa@kuis. kyoto-u.ac.jp	IP Multicast promises to improve certain classes of applications: teleconferencing, broadcast TV, remote learning, and "push" applications. Deployment has been delayed by deployment and policy issue, market acceptance of applications, and the complexity of the problem. We look at promising developments that suggest the issues are being worked out.
								Tatsuya Jinmei	Toshiba Corporation	Japan	jinmei@isl.rdc. toshiba.co.jp	
								Kengo Nagahashi	Keio University	Japan	kenken@sfc. wide.ad.jp	
8	Regulation, Policy and Governance	Women and the Internet					Paper	Karen Drost	FARO	Netherlands	karen@faro.nl	In a field traditionally dominated by men, how are women's groups doing to provide access, support and training for women on-line? Cases studies from The Netherlands and Japan will be presented followed by respondents from other cultures who will provide additional insights based on their experiences.
								Akiko Orita	Graduate School of Keio University	Japan	ako@sfc.wide. ad.jp	
								Lynne Clement	ArtsEdge	USA	lynne@artsedge. kennedy-center.org	
8	Regulation, Policy and Governance	Next Generation Internet Policy	Michael Nelson	IBM	USA	mrn@us.ibm. com	Paper	Madan Mohan Rao	Microland	India	madanr@ planetasia.com	What policy issues are likely to develop when the Internet is 10 times larger and 100 times faster than today? When the Internet is able to provide high-quality video everywhere, how will policymakers deal with the collision of the Internet with broadcast regulations and cultural policies? How will telephone regulations deal with IP telephony?
								Jean-Louis Tertian	ART	France	jean-louis. tertian@art-telecom.fr	

#	THEME title	SESSION title	chair	chair organization	chair country	chair e-mail	CONCURRENT SESSIONS	speaker	speaker organization	speaker country	speaker e-mail	DESCRIPTION
1	Technologies for Internet Infrastructure	Decongestants for Networks	Bruce Davie				Paper	Andrew K. Adams	Pittsburgh Supercomputing Center /National Laboratory of Applied Network Research	USA	akadams@psc.edu	Timely and effective diagnosis of network problems can make for cost-effective cures for bandwidth inefficiency.
								Toyonori Fujiura	NTT	Japan	toyo@nttlabs.com	
								Anthony James McGregor	The University of Waikato and The National Laboratory for Applied Network Research (NLANR)	New Zealand	tonym@nlanr.net	
								Hiroki Saito	Meiji University	Japan	hiro-s@cs.meiji.ac.jp	
1	Technologies for Internet Infrastructure	IP6 Experience: Time to Deploy	Steve Deering				Paper	Ivano Guardini	CSELT S.p.A.	Italy	ivano.guardini@cselt.it	IP6 has been proposed as a next generation Internet Protocol, providing a large increase in the available address space. This is important to assure that end to end services are available throughout the Internet, and to extend the Internet's reach into developing countries and wireless markets.
								Masaki Minami	WIDE Project / Keio University	Japan	minami@wide.ad.jp	
								Hiroshi Kitamura	NEC Corporation	Japan	kitamura@ccm.cl.nec.co.jp	
								Masafumi Oe	Nara Institute of Science and Technology	Japan	masa@fumi.org	
3	Mobile Internet and IP Network Appliances	Implications and Applications of Wireless Technology	Jacques Guidon	INRIA	France	Jacques.Guidon@INRIA.FR	Paper	Thomas C. Agoston	IBM Global Services	USA	agoston@us.ibm.com	Advances in wireless technology will have dramatic effects on potential services and applications offered in the Internet. This session will discuss issues related to geographical location and the possibility of being contacted whenever you want and wherever you are.
								Jeffrey Mark Alexander	Washington CORE and The George Washington University	USA	jeffalex@wcore.com	
								Johan Hjelm	W3C/Ericsson Research	Sweden	hjelm@w3.org	
								Carey-Ann Jackson	CSIR	South Africa	cjackson@csir.co.za	
5	Bio-Medical Issues	New Technology for Health/ Medical Applications					Paper	Denis Trcek	Institut "Jozef Stefan," Ljubljana College of Management	Slovenia	denis.trcek@ijs.si	The Internet has the ability to extend the reach of other technologies in exciting ways. This session includes examples of the use of the Internet to enable remote access to biomedical instruments and databases, significantly increasing the value of these resources.
								Susumu Date	Computer Center, Osaka University	Japan	date@rd.center.osaka-u.ac.jp	
								Auke van Balen	FEI/Philips Electron Optics	Netherlands	avb@nl.feico.com	
								Mark H. Ellisman	National Center for Microscopy and Imaging Research/Center for Research on Biological Structure/University of California, San Diego	USA	mark@ncmir.ucsd.edu	
8	Regulation, Policy and Governance	Government Policy and the Growth of the Internet					Paper	Rene Morin	Centre International pour le Devloppement de l'Inforoute en Francais (CIDIF)	Canada	rene@cidif.org	Government policy makers around the world are seeking ways to spur the growth of the Internet and e-commerce. Telecommunications regulations are being rewritten to encourage competition. New laws are being drafted to provide a stable regulatory environment for e-commerce. What works? What doesn't?
								Brian Anderson	Kennedy School of Government, Harvard University	USA	brian.anderson@post.harvard.edu	
								Chan-Mo Chung	Korea Information Society Development Institute	Korea	cmchung@sunnet.kisdi.re.kr	
8	Regulation, Policy and Governance	The State of the Internet: National Case Studies					Round-table	Franck Martin	SOPAC, South Pacific Applied Geoscience Commission	Fiji	franck@sopac.org.fj	One of the traditions of INET is progress reports on the development of the Internet in countries around the world. The speakers in this roundtable will provide case studies, report on recent developments, and share lessons learned.
								Sergey Y. Yurish	Institute of Computer Technologies	Ukraine	syurish@mail.icmp.lviv.ua	
								Mohamed Amin El-Nawawy	InTouch Communications Services, SAE	Arab Republic of Egypt	nawawy@intouch.com	
								Ronel Smith	Council for Scientific and Industrial Research (CSIR)	South Africa	ronel.smith@mikom.csir.co.za	
								Saul Hahn	Organization of American States	USA	shahn@oas.org	
								Royal D. Colle	Cornell University	USA	rdc4@cornell.edu	
6	Education	The Arts, the Internet, and Education: What Do They Have to Offer Each Other?					Panel	Lynne B. Clement	The John F. Kennedy Center for the Performing Arts	USA	lbclement@kennedy-center.org	Interaction that need no artificial barriers, such as translation - music, the international language, and dance, as a physical expression of that language, exist in all cultures. Panel members will discuss how their organizations have incorporated the arts and the Internet into education to build international understanding and expand students' experiences with the art forms of their own culture or others'.

THEME		SESSION					CONCURRENT SESSIONS				DESCRIPTION
#	title	title	chair	chair organization	chair country	chair e-mail		speaker	speaker organization	speaker country	speaker e-mail	
1	Technologies for Internet Infrastructure	Security: The Internet's Red Light District	Marcus Leech				Paper	Frederic Schutz	University of Geneva	Switzerland	frederic.schutz@cui.unige.ch	When we go driving and shopping on the Information Superhighway, we become increasingly concerned with getting mugged in a dark alley. How can we make cyberspace safe?
								Kohei Ohta	Cyber Solutions Inc.	Japan	kohei@cysols.com	
2	Internet Science and Technology for the 21st Century	QBone Bandwidth Broker Testbed: Early Experiences and Future Directions					Panel	Susan Hares	Merit Network Inc.	USA	skh@merit.edu	The Internet2 QBone experiments with bandwidth brokers during 1999 and early 2000 provide real feedback on the initial designs and requirements for brokering interdomain IP differentiated services. An international panel of bandwidth broker (BB) implementers will discuss their experiences with the design, deployment, and interdomain testing of BB solutions across the QBone.
4	Interactive, Multimedia, Innovative Contents (Live Demonstrations)	The Search for Knowledge: Visualization, Sharing and Indexing	Bruce Pennycook	McGill University	Canada	Pennycook@IST.MCGILL.CA	Paper	Diarmuid O'Donoghue	National University of Ireland at Maynooth	Ireland	diarmuid.odonoghue@ireland.com	In the words of invited speaker, Dr. Jeremy Cooperstock, we have entered the "brave new world of ubiquitous bandwidth". This session includes issues of virtual reality transmission and highly structured searching using the concept of "hearts" - the best of the best search results through millions of WWW pages.
								Ryunosuke Ohshima	Japan Advanced Institute of Science and Technology	Japan	ryu@jaist.ac.jp	
6	Education	Networking Education and Education Networks	Masaya Nakayama	University of Tokyo	Japan	nakayama@nashi.nc.u-tokyo.ac.jp	Paper	Mark Luker	EDUCAUSE	USA	mluker@educause.edu	The promise of the web for enhancing and distributing educational materials is enormous. This session concentrates upon existing materials and projects, both for educating people about the Internet and for using the Internet to make educational materials available across two dimensions of the digital divide.
								Evi Nemeth	CAIDA (Cooperative Association for Internet Data Analysis)	USA	evi@caida.org	
								Keiko Okawa	Keio University	Japan	keiko@sfc.wide.ad.jp	
								Edmundo Vitale	REACCIUN, National Academic Network of Venezuela	Venezuela	evitale@ula.ve	
7	E-Commerce and E-Business	Trading Services in the Information Economy	Florencio Utreras	REUNA	Chile	FUtreras@REUNA.CL	Paper	Jerry Foss	Marconi Communications Ltd.	UK	jerry.foss@marconicomms.com	There is clear consensus that services are the first to benefit from worldwide e-commerce. This consensus comes from the fact that most of them can be traded directly without having to send bits over traditional transportation systems. This session explores the key issues to success in several services sectors making it clear that a careful adoption of cyberspace is at their benefit but an adequate understanding of services, technologies an markets is needed.
								Paulo Miguel Rasquinho Ferreira Rita	ISCTE School of Management - University of Lisbon	Portugal	paulo.rita@iscte.pt	
								Laurens Cloete	CSIR	South Africa	jcloete@csir.co.za	
								Alok Charturvedi	Krannert School of Management, Purdue University	USA	alok@mgmt.purdue.edu	
8	Regulation, Policy and Governance	The State of the Internet: Global Perspectives					Paper	Michael Minges	International Telecommunication Union	Switzerland	minges@itu.int	Tracking the growth of the Internet and monitoring traffic flows over the network is a daunting task. It is difficult to get access to the necessary data; tools to collect and analyze the data are often difficult to use or nonexistent. This panel reports work is being done to improve measurement of the growth and usage of the Internet.
								Anthony Townsend	Massachusetts Institute of Technology	USA	amt@mit.edu	
								Bradley Huffaker	CAIDA/SDSC/UCSD	USA	bradley@caida.org	
								Larry Press	California State University, Dominguez Hills	USA	lpress@isi.edu	
8	Regulation, Policy and Governance	Policy Slam					Policy Slam		Open to all INET 2000 Parficipants			In the past fifteen years in hundreds of cities in the U.S. and around the world, "Poetry Slams" have become popular. A slam is a cross between karaoke, open mike night at a comedy club, and a electronic mailing list, where everyone gets a chance to speak. At a slam, would-be poets get three minutes to recite a poem or a reading before a live audience, which then rates their performance. We hope to recreate the enthusiasm and excitement of Poetry Slams by giving INET 2000 participants the microphone for three minutes to tell us about Internet policy issues that they're worried about and what we should do about them.

■ Thursday, 20 July 2000   08:30–10:30

Plenary Panel: The Future of the Internet Layer	
As the Internet continues to grow, there are increasing stresses and strains on some of its foundations, such as the original numeric addressing space and the underlying assumption of transparent communications. The expected arrival of millions of wireless devices, and expansion to new, very populous regions of the world, will maintain or increase these stresses for several decades to come. The Internet technical community has been aware of this issue for at least seven years and has carried out various studies and new developments including Classless Interdomain Routing, Network Address Translation and IPv6. The panel will discuss all this and more, and attempt to discern where we are headed next.	Brian Carpenter
	Jun Murai
	Gabriel Montenegro
	Geoff Huston
	Matt Holdredge
	Vint Cerf
Keynote: The Explosive Growth of the Internet	John Chambers
Closing of Plenary Session	

■ Thursday, 20 July 2000   11:00–12:30

#	THEME title	SESSION title	chair	chair organization	chair country	chair e-mail	CONCURRENT SESSIONS	speaker	speaker organization	speaker country	speaker e-mail	DESCRIPTION
1	Technologies for Internet Infrastructure	Eliminating the World Wide Wait	Geoff Huston	Telstra	Australia	gih@telstra.net	Paper	Tsukasa Ogino	FastNet, Inc.	Japan	ogino@fastnet.co.jp	There are many ways to improve responsiveness - add bandwidth, cache content closer to its user, optimize routes around the content being accessed, and better exploit the bandwidth which is there. The panel will discuss experience with these technologies.
								Roberto Sabatino	DANTE	UK	Roberto.Sabatino@dante.org.uk	
								Pankaj K. Jha	CYPRESS SEMICONDUCTOR	USA	pkj@cypress.com	
								Ivan Lovric	France Telecom	France	ivan.lovric@cnet.francetelecom.fr	
2	Internet Science and Technology for the 21st Century	iGrid2000: Demonstrating New Means for Global Collaboration					Panel					iGrid 2000, a major research demonstration at INET 2000, will demonstrate the ongoing development of International Grid (iGrid) for global community networking. This panel session will highlight several key scientific applications that are made possible by global collaboration on high performance networks.
3	Mobile Internet and IP Network Appliances	Technical Frontiers of Wireless Wide Area Technologies	Gabriel Montenegro	Sun Microsystems	USA	gab@sun.com	Paper	Hsing Mei	Fu Jen Catholic University	Taiwan, ROC	mei@csie.fju.edu.tw	Wireless links disperse networks geographically. This creates challenges terms of privacy, content delivery and transport optimizations.
								Michiko Izumi	Nara Institute of Science and Technology	Japan	michi-i@is.aist-nara.ac.jp	
								Fei Peng	Beijing University of Posts and Telecommunications (BUPT)	China	fpeng@bupt.edu.cn	
4	Interactive, Multimedia, Innovative Contents (Live Demonstrations)	Emerging Multimedia	Jeremy R. Cooperstock				Paper	Kaoru Hiramatsu	NTT Communication Science Laboratories	Japan	hiramatu@cslab.kecl.ntt.co.jp	Videos, movies and interactive mapping systems emerge as new and robust internet applications exploiting broad public access and low-cost transmission. This session explores the integration of digital media technologies with high-speed internet communications.
								Keiko Tanaka	University of Washington	USA	keiko-tanaka@email.msn.com	
								Tetsuro Ogi	Gifu MVL Research Center, Telecommunications Advancement Organization of Japan/Intelligent Modeling Laboratory, University of Tokyo	Japan	tetsu@iml.u-tokyo.ac.jp	
5	Bio-Medical Issues	Quality of Medical/ Health Information on the Internet	Alex Jadad	McMaster University	Canada	jadada@fhs.csu.McMaster.CA	Panel	Akira Sekikawa	Graduate School of Public Health/University of Pittsburgh	USA	akira@imap.pitt.edu	As Internet communications grow, there are exciting opportunities as access to valuable medical information expands. To cope with this growth consumers must have the ability to winnow the grains of good information from the huge and growing amount of worthless chaff. This panel discussion will discuss issues in quality information delivery to physicians, educators and patients.
6	Education	Novel Views and Uses of the Internet in Education and Communication	Okhwa Lee	Chungbuk National University	Korea	ohlee@trut.chungbuk.ac.kr	Paper	Kim H. Veltman	Maastricht McLuhan Institute	Netherlands	k.veltman@mmi.unimaas.nl	Most educational uses of the Internet apply technology to improve the efficiency and/or effectiveness of current practices. This session brings together several diverse papers that present innovative applications, new technologies, and new ways of thinking about the role of the Internet in global education.
								Jason Leigh	Electronic Visualization Laboratory at the University of Illinois at Chicago	USA	spiff@evl.uic.edu	
								Masami Okyudo	Misato Observatory	Japan	okyudo@obs.misato.wakayama.jp	
7	E-Commerce and E-Business	E-Commerce Policies and Strategies for a Global Inclusive e-Market	Bruno Lanvin	UNCTAD	Switzerland	Bruno.Lanvin@UNCTAD.ORG	Paper	Jonathan P. Mitchener	BT plc	UK	jonathan.mitchener@bt.com	E-commerce is intended to open a global marketplace with benefits for everybody. It is clear though that global policies and agreements in trade and political issues are in order if everybody is going to participate. This session will explore these issues from the developed and developing world point of view.
								Freddie E. Beaver	University of Memphis	USA	fbeaver@memphis.edu	
								Jeffrey Mark Alexander	Washington CORE and The George Washington University	USA	jeffalex@wcore.com	
								Magda Ismail	Ministry of Communication and Information Technology and E-commerce Committee, Internet Society of Egypt	Egypt	magdam@idsc1.gov.eg	

■ Thursday, 20 July 2000　14:00–15:30

#	THEME title	SESSION title	chair	chair organization	chair country	chair e-mail		speaker	speaker organization	speaker country	speaker e-mail	DESCRIPTION
1	Technologies for Internet Infrastructure	Internet QoS Provisioning: Differentiated Services and MPLS	Bruce Davie				Paper	Jun Ogawa	Fujitsu Laboratories Ltd.	Japan	ogawa@flab. fujitsu.co.jp	Improved Internet traffic engineering and predictability is essential to deploying cost-effective virtual private networks, commercial applications, and life-support services. The technologies for improving quality of service have been defined and discussed; how are they doing, and what do we need to think about next?
								Yojiro Uo	Japan Advanced Institute of Science and Technology, Hokuriku	Japan	yuo@nui.org	
								Minoru Koizumi	Systems Development Lab., Hitachi, Ltd.	Japan	m-koizu@sdl. hitachi.co.jp	
2	Internet Technology and Science for the 21st Century	Making TCP Faster, Fair and Scalable					Paper	Go Hasegawa	Faculty of Economics, Osaka University	Japan	hasegawa@ics. es.osaka-u.ac.jp	A number of proposals have been made to improve TCP in terms of performance and fairness. This session brings together improvements to past proposals, evaluation of past proposals under QoS-enabled environment, and potential issues in making transition to revised TCP.
								Kenji Kurata	Graduate School of Engineering Science, Osaka University.	Japan	k-kurata@ics. es.osaka-u.ac.jp	
								Hiroyuki Koga	Kyushu Institute of Technology	Japan	koga@cse. kyutech.ac.jp	
3	Mobile Internet and IP Network Appliances	Enabling Small Network Environments	Jun Murai	Keio University/WIDE Project	Japan	junsec@ wide.ad.jp	Paper	Masahiko Kimoto	Tokyo Institute of Technology	Japan	kimoto@ ohnolab.org	The internet protocols can scale down to occupy small networks in homes and offices. But new mechanisms are needed so the necessary bootstrapping can take place securely, dynamically and with little or no manual administration.
								James Kempf	Sun Microsystems	USA	james.kempf@ sun.com	
								Erik Guttman	Sun Microsystems	Germany	erik.guttman@ sun.com	
4	Interactive, Multimedia, Innovative Contents (Live demonstrations)	Digital Audio and Video Applications on Advanced Research and Education Networks	Ted Hanss	Internet2	USA	ted@ internet2. edu	Panel	Joel Mambretti	International Center for Advanced Internet Research (iCAIR), Northwestern University, Metropolitan Research and Education Network (MREN)	USA	j-mambretti@ nwu.edu	Advanced research and Education networks, which serve usually as a test-bad for many applications, among others provide with the ability to build, as well as deploy multi-media based content with high fidelity. The content includes applications in teaching, learning, research, clinical needs, life music and dance performances, and intensive simulations. The high capacity of the links enables the use of the applications to foster global collaborations.
5	Bio-Medical Issues	The Internet and People with Disabilities	Michael R. Burks	International Center For Disability Resources on the Internet and AT&T	USA	mburks952 @att.net	Panel	Jason Leigh	Electronic Visualization Laboratory, Univ. of Illinois at Chicago	USA	spiff@evl.uic. edu	Individuals with disabilities face many barriers to full participation in day-to-day activities. But with the advent of the Internet, some of these people have found an area where their disability is irrelevant to their participation, whereas others must merely add it to the list of things they can't do. This panel explores some of the notable successes and the efforts being made to overcome the barriers to others for whom participation is currently difficult or impossible.
7	E-Commerce and E-Business	Opportunities and Threats in the Global e-Commerce Marketplace	Michael Nelson	IBM	USA	mrn@us. ibm.com	Paper	William A. Foster	University of Arizona	USA	wfoster@bpa. arizona.edu	As global e-commerce is being developed around the world, nations discover how to make use of the huge opportunities offered by this really global fully transparent market. In their way to the new economy they learn how to adapt their structures and how to cope with the potential dangers to their local industry as well as new ways to develop their economies beyond the development line. This session will show how large emergent economies are dealing with theses issues.
								Vivien Liew-Yin Chiam	International Development Research Centre, Regional Office for Southeast and East Asia	Singapore	vchiam@idrc. org.sg	
								Zuraida Boerhanoed-din	Indonesian Satellite Corp. (PT Indosat Tbk.)	Indonesia	ib03@indosat. net.id	
								Lamia Chaffai Sghaier	Tunisian Internet Agency (ATI)	Tunisia	lamia@ati.tn	
8	Regulation, Policy and Governance	Making Our Own Rules: Governance of Cyberspace					Paper	Kenji Rikitake	TDI RCAC Project	Japan	kenji@rcac.tdi. co.jp/kenji. rikitake@acm. org	In the early days of the Internet, the academics running the network resolved disputes in an informal, ad hoc manner. Today, as billion-dollar companies vie to gain advantage in the digital economy and public interest groups and governments strive to protect their citizens, there are increasing calls for government regulation of the Internet. Yet, many in the Internet community argue that self-regulation and technology, not government intervention, can address growing concerns about domain names, on-line privacy, and other Internet issues.
								Amy Friedlander	Center for Information Strategy and Technology, Science Applications International Corporation	USA	amy.e. friedlander@ saic.com	
								Jeffrey H. Matsuura	Alliance Law Group, LLC	USA	jmatsuura@ alliancelawgroup. com	
								Louis Coetzee	CSIR, Mikomtek	South Africa	louis.coetzee@ csir.co.za	

■ Thursday, 20 July 2000   16:00–17:30

#	THEME title	SESSION title	chair	chair organization	chair country	chair e-mail		speaker	speaker organization	speaker country	speaker e-mail	DESCRIPTION
2	Internet Science and Technology for the 21st Century	NGI Research Projects: What's New, What's Next and What Works?					Super Panel	Douglas Van Houweling	Internet2	USA	dvh@internet2.edu	Late-breaking news from Next-generation Internet projects will be presented. Panelists will address their current status, next step, and what has led them to success.
								Greg Wood	Internet2	USA	ghwood@internet2.edu	
								Peter Marshall	CANARIE Inc.	Canada	marshall@canarie.ca	
								Jun Murai	Keio University/ WIDE Project	Japan	jun@wide.ad.jp	
8	Regulation, Policy and Governance	On the Fringes of the Internet					Super Panel					Some people believe the Internet is a haven for hackers, pornographers, hate groups, and perverts. It is true that the structure and culture of the Internet attracts and tolerates illegal behavior? What's really going on in the "red light districts" of the Internet? Is it true that porn sites are among the most profitable on the net?
8	Regulation, Policy and Governance	The Internet is not for Everbody (Yet) - A Policy Debate					Super Panel					In the countries around the world, there is increasing concern about "information haves and have nots." Statistics show clearly that wealthy people are much more likely to be on-line. Since the unconnected have less access to information and economic opportunities, many have called for government action to help "connect the unconnected." Are market forces enough or is government action necessary to avoid increasing the disparity between rich and poor? If so, what should be done?

■ Friday, 21 July 2000 `08:30-10:00`

#	THEME title	SESSION title	chair	chair organization	chair country	chair e-mail	CONCURRENT SESSIONS	speaker	speaker organization	speaker country	speaker e-mail	DESCRIPTION
1	Technologies for Internet Infrastructure	Voice/Video in the Internet	Steve Casner				Paper	Seiji Ariga	Keio University	Japan	say@sfc.wide.ad.jp	The relative growth rates of traditional telephony and Internet traffic strongly suggest that the networks will converge during the coming decade, with Internet technology in the core. Before this can happen, high quality voice and video must be demonstrated on the Internet backbone, and appropriate business models to support it must be developed and deployed.
								Silvio Salza	Universita' di Roma "La Sapienza" and IASI-CNR	Italy	salza@dis.uniroma1.it	
								Andreas Schrader	NEC Europe Ltd.	Germany	schrader@ccrle.nec.de	
2	Internet Technology and Science for the 21st Century	Intelligent Web Navigation					Paper	Stuart J. Soltysiak	Advanced Communications Research, British Telecommunicationsplc.	UK	stuart.soltysiak@bt.com	Web search engines often cannot deliver direct answer to your question. This session will present several mechanisms to better address user's interest in timely, context-sensitive manner.
								Kazunori Fujimoto	NTT Communication Science Laboratories	Japan	fujimoto@cslab.kecl.ntt.co.jp	
								Kazuya Koyama	NEC Corporation	Japan	kazuya@ccm.cl.nec.co.jp	
5	Bio-Medical Issues	Privacy and Security in the Use of the Internet to Support Medicine	Ross Smith	New York University	USA	smithp01@mcrcr.med.nyu.edu	Panel	David C. Balch	East Carolina University Telemedicine Center/Center for Health Sciences Communication, East Carolina University School of Medicine	USA	balchda@mail.brody.ecu.edu	The Internet is ideal for transmitting information between all the parties involved in the complex task of managing, delivering and paying for health care. The single problem that appears to raise concerns most in the community is that of the security and privacy of medical information. This panel will look at issues such as: ubiquitous access to medical data, e-mail, Internet support for telemedicine applications and the emerging regulatory environments.
7	E-Commerce and E-Business	Knowledge Management: The Key to Success in the Knowledge Society	Florencio Utreras	REUNA	Chile		Paper	Kumiko Aoki	Boston University	USA	kaoki@bu.edu	The society towards we are heading has been called The Knowledge Society or The Information Society, yet we have a lot to learn to cope with the huge masses of information we are receiving every minute and how to transform that in useable knowledge for our company, our family or ourselves. This session explores several aspects of this process, be it in information distribution, collaboration or learning, but always focusing on how information and knowledge are the central key to understand the ongoing process.
								Christoph M. Jansen	Institute for Information Management, University of St. Gallen	Switzerland	christoph.jansen@bluewin.ch	
								Abigail T. Cooke	Concurrent Technologies Corporation	USA	atcooke@earthlink.net/ cooke@ctc.com	
								Roland E. Schmid	University of St. Gallen	Switzerland	schmid@acm.org	
8	Regulation, Policy and Governance	Virtual Communities					Paper	Sherwood A. Dowling	Smithsonian American Art Museum	USA	sdowling@nmaa.si.edu	The Internet is famous for its ability to eliminate the barriers of space and time, and unite people with common interests who maybe scattered around the globe. This panel provides three case studies of virtual communities that have been created on both the local and the global level.
								Mario de Paula Leite Gouvea	LEAD International, Inc. (Leadership for Environment and Development)	USA	mario@lead.org	
								Martin Ross Cawthon	ChipChat	USA	mrc@ChipChat.com	
8	Regulation, Policy and Governance	Freedom of Speech, Content Filtering, and Linguistic Diversity in Cyberspace					Paper	Alain Clavet	Office Of The Commissioner of Official Languages - Government of Canada.	Canada	alain.clavet@ocol-clo.gc.ca	Diverse content on the Internet stimulates a variety of actions on the part of companies, governments, and community organizations. Promoting the use of a non-dominant language may require regulations to control the use of English. Governments concerned with inappropriate content resort to various technological and regulatory solutions, most of which are rejected by activists who support free speech and the free flow of all information. This session examines recent case studies from Sweden, Saudi Arabia, Chile, the U.S., Australia, Canada, and elsewhere.
								Paul A. Pierlot	Industry Canada/Government of Canada	Canada	pierlot.paul@ic.gc.ca	
								Stig Roland Rask	The Foundation for Knowledge and Competence Development	Sweden	rask@swipnet.se	
								Margarita Valdes	Nic Chile, University of Chile	Chile	mvaldes@nic.cl	
								Eyas Al-Hajery	KACST (King Abdulaziz City for Science and Technology)	Saudi Arabia	alhajery@isu.net.sa	
8	Regulation, Policy and Governance	Extreme Internet: Use of the Internet in Emergences	Izumi Aizu	Asia Network Research	Japan	izumi@anr.org	Paper	Georges-Yves Kervern	TACTIC	France	gyk@tactic.fr	When natural disaster strikes, how can the Internet be used to provide support for rescue operations? Both Japan and Turkey have recently suffered from massive earthquakes, and the Internet has played a critical role in recovery efforts. This panel will discuss how other countries can make use of the network to deal with flood, war, tornadoes, earthquakes, and other disasters.
								Malcolm Iain Heywood	Dokuz Eylul University, Izmir	Turkey	mheywood@cs.deu.edu.tr	
								Nobuhiko Tada	Matsushita Electric Industrial Co., Ltd.	Japan	tada@pana.net	

■ Friday, 21 July 2000 `10:30-12:30`

Invitation to INET 2001	
ISOC in Review	Lynn St. Amour
Network Training Workshop Report	George Sadowsky
ThinkQuest 2000	Al Weis
Keynote Speech	Dr. Ken-ichi Ohmae
Invited Speech	David Farber, CTO, Federal Communications Commission
Global Access for Everyone (GEA):	Review and Results
Closing of INET 2000	Donald M. Heath / Jun Murai

POSTERS

The poster program is an integral part of INET 2000, providing a medium for presentation of interesting initiatives and ideas and an avenue for intense discussions by all conference participants. Hard-copy posters will be on display during open hours of the Exhibition Hall. Posters to be presented are listed below.

Title	Author		Country	Email
10 years of Telelearning in Europe: From Luxury for a Few to Services for Many	Leopold	Reif	Germany	leopold.reif@telekom.de
How the Internet is Helping to Improve Relations Between Governments and Citizens: The Case of Spain	Juan	Zapardiel	Spain	juan.zapardiel@inspeccion.meh.es
Global Internet as a Regional Change Agent - use of GIS/Internet based Distance Education, Telemedicine, and E-Commerce	Timothy	Tyndall	USA	rain@rain.org
Plugging Singapore to Internet-2 Grid: The SingAREN GigaPOP	Lek	Ngoh	Singapore	lhn@krdl.org.sg
QoS Provision to QoS-unaware Applications on IntServ Networks	Stefano	Giordano	Italy	giordano@iet.unipi.it
Stability Analysis of a Window-based Flow Control Mechanismof TCP Connections with Different Propagation Delays	Keiichi	Takagaki	Japan	takagaki@ics.es.osaka-u.ac.jp
A Virtual Campus for a 600-year old Italian University	Ferdinando	D'Isep	Italy	disep@unito.it
Mobile Phone and Internet: A "Pocket" Interface Between Students and the University Intranet	Francesco	Borazzo	Italy	francesco.borazzo@unito.it
Andean Countries Virtual Environmental University - ViEU	Enrique	Arrieta-Noguera	Colombia	earrieta@cable.net.co
Broadband Wireless Internet over Two-Layer LMDS	Petri	Mahonen	Finland	Petri.Mahonen@vtt.fi
You've Got Mail that Hates You: On-line Hate Speech Issues on the U.S. Campus	Jae-Jin	Lee	Korea	jjlee@email.hanyang.ac.kr
YouthCaN: A Global Environmental Project Using Technology	H.	Clements	USA	hmc1@acf2.nyu.edu
Where in the World is netgeo.caida.org?	David	Moore	US	dmoore@caida.org
The 8+8 IPv6 Addressing Architecture	Manolo	Sola	Japan	sola@jet.es
Health Information Network in Taiwan - Now and Future	Da_wei	Wang	Republic of China	wdw@iis.sinica.edu.tw
Open Source, the Internet and National R&D Organization: Where to?	Johan	Eksteen	South Africa	johan@dent.mikom.csir.co.za
Pricing Based QoS Control Framework	Jie	Song	Singapore	p144854040@ntu.edu.sg
Content Distribution	Masaaki	Nabeshima	Japan	nabe@slab.ntt.co.jp
Devil at the Crossroads: The Blues Diaspora in a Digital Age	Gretchen	Schoel	Japan	gretchen@sfc.keio.ac.jp
Copyright Policy Management and Enforcement System for Digital Contents on the Internet	Yoko	Murakami	Japan	yoko@sfc.wide.ad.jp
A New IP Connectivity Service developed by NTT	Masahiro	Goshima	Japan	goshima.masahiro@nslab.ntt.co.jp
A Brief History of Cyberspace: Evolution of Information Spaces	Narushige	Shiode	Japan	n.shiode@ucl.ac.uk
The Improvement and Enhancement the IAA Disaster Communication Systems	Yukimitsu	Izawa	Japan	izawa@jaist.ac.jp
Let the Children be Fed First: How We are Overcoming the Hurdles in Providing Knowledge Networks for Schools in Uganda	Daniel	Stern	Belgium	dstern@uconnect.org
A Friendly KOBAN System for Managing a Medium Size LAN Network	Masahiro	Ishigaki	Japan	ishigaki@econ.tohoku.ac.jp
High-Speed Networks QoS Management: Where to Put the Complexity?	Lisandro	Granville	Brazil	granvile@inf.ufrgs.br
Simple Phone Control Protocol (SPCP)	Tsuyoshi	Kanai	USA	tkanai@fla.fujitsu.com