Appendix 1: Invitation to Submit White Papers, January 5, 2001

Interagency Working Group for Information Technology Research and Development (ITRD)

Large Scale Networking (LSN) Coordinating Group

Call for White Papers

Workshop on New Visions for Large-Scale Networks: Research and Applications

March 12 - 14, 2001
Vienna, VA
Paper Submission Deadline February 4, 2001

The phenomenal worldwide explosion in global networks and widespread dissemination of advanced technology is rooted in thirty years of patient investment by federal R&D agencies. As commercial investment has poured into this area, the research focus has naturally responded by seeking solutions to near-term problems. The goal of this workshop is to stimulate bold thinking that will take us off this evolutionary path and to explore new directions that could revolutionize future networks and applications.

Researchers from related disciplines are invited to share their perspectives in helping to define a broad research agenda for the future of networking and distributed applications. The goal will be to envision and identify networking technology needs and possibilities that would revolutionize the way we live and work in the decades ahead, but that are out of scope for today's profit-driven R&D programs. The academic, industrial and governmental research communities are invited to submit white papers that describe radically new visions for the future, as well as possible steps to realization. Accepted papers will form the basis for panel discussions and presentations, and will also be used to inform development of long-term research programs within the sponsoring organizations.

Of particular interest are submissions that elucidate an exciting new area of research that is radically forward-looking and that holds the potential to yield unexpected results. For any given focus area, quantitative explication of critical research barriers and limitations of existing approaches are required. Authors are encouraged to bridge the gap between the broad scale vision and the specific technologies, however difficult to achieve, needed for ultimate realization of the vision. For example, one may include specific research findings (original or cited) that may indicate expansive future successes or one may delineate assumptions that are made with regard to advances in supporting or enabling technologies. Alternatively, authors may also choose to structure the paper in the form of a proposal abstract to be submitted in the year 2005 or beyond. Such alternative submission should include a description of deliverables (hardware, software, system prototypes, and algorithms) that would be produced three to four years from the submission date.

The total length of the paper should not exceed six pages, including any figures, with minimum font size of 10 points. The first page (the cover sheet) must show the submission title, names and contact information for the author(s) and/or a contact person. The cover sheet should also include an abstract that succinctly describes the main idea, innovative claims and the critical technical barriers. Submissions must be formatted in Microsoft Word or Adobe PDF format.

Attendance will be by invitation; some limited support for travel and expenses will be available for invitees. Papers must be submitted electronically to lsn_workshop@snap.org by 5pm Sunday, February 4, 2001. Those selected to participate will be notified by February 16, 2001. Information related to this workshop will be posted at: http://www.eventmakeronline.com/sta/view/index.asp?meetingid=5.   For further information, please send email to lsn_workshop@snap.org.

The workshop is sponsored by the Federal Large Scale Networking Coordinating Group, DARPA, DOE, NASA, NIST, NLM and NSF.

Appendix 2: List of LSN Workshop Attendees

Last Name	First Name	Organization	
Ackerman	Michael	NIH/NLM	
Agarwal	Deb	Lawrence Berkeley Laboratory	
Agarwal	Sharad	University of California - Berkeley	
Agrawala	Ashok	University of Maryland	
Ahmed	Mohin	HRL Laboratories	
Almes	Guy	Internet2	
Aronson	Jules	NIH/NLM	
Banerjee	Suman	University of Maryland	
Barford	Paul	University of Wisconsin	
Bauer	Steve	Massachusetts Institute of Technology	
Bernholz	David	NCO/ITR&D	
Bhasin	Kul	NASA Glenn Research Center	
Blumenthal	Marjory	Computer Science & Telecommunications Board	
Boroumand	Javad	Cisco Systems	
Bradaric	Ivan	Drexel University	
Braden	Bob	University of Southern California – Information Sciences Institute	
Brett	George	NLANR / Web100	
Brown	Bruce	Institute for Defense Analyses	
Burns	Catherine	University of Waterloo	
Bush	Aubrey	NSF	
Bush	Stephen	GE Corporate R & D	
Calvin	Jim	MIT – Lincoln Laboratory	
Carlson	Rich	Argonne National Laboratory	
Carter	Bob	Honeywell Laboratories	
Catlett	Charlie	Argonne National Laboratory	
Claffy	KC	CAIDA	
Clark	Dave	MIT	
Cohen	Danny	CNRI	
Corbato	Steve	UCAID/Internet2	
Cox	Chip	NSF/CISE/ANIR	
Dao	Son	HRL Laboratories	
Das	Sajal K.	University of Texas at Arlington	

desJardins	Dick	NASA Research & Education Network	
Dev	Parvati	Stanford University	
Diersen	Dave	Chief of Naval Operation's Strategic Studies Group	
Domich	Paul	Office of Science & Technology Policy	
Durst	Robert	The MITRE Corporation	
Echiverri	Kathy	Institute for Defense Analysis	
Edwards	Hal	Nortel Networks	
Eisenberg	Jon	Computer Science & Telecommunications Board	
ElBatt	Tamer	HRL Laboratories	
Ephremides	Anthony	University of Maryland	
Evans	Joe	University of Kansas	
Feng	Wu-chang	Oregon Graduate Institute	
Feng	Wu-chi	Ohio State University	
Feng	Wu-chun	Los Alamos National Laboratory & Ohio State University	
Fisher	Darleen	NSF	
Fleming	Robert	Aether Wire & Location, Inc.	
Foster	Ian	Argonne National Laboratory	
Foster	Mark	NASA/NREN	
Freeman	Ken	NASA Ames Research Center	
Frost	Victor	University of Kansas	
Furlani	Cita	NCO/ITR&D	
Gary	Pat	NASA Goddard Space Flight Center	
Gilliam	David	NASA/Jet Propulsion Laboratory	
Golubchik	Leana	University of Maryland	
Govindan	Ramesh	University of Southern California – Information Sciences Institute	
Greene	Tom	NSF/CISE/ANIR	
Griggs	Kathleen	Puritan Research Corp.	
Griggs	Steve	Multi Spectral	
Gritter	Mark	Stanford University	
Hayward	Gary	Telcordia Technologies	
Hollebeek	Bob	University of Pennsylvania	
Howe	Sally	NCO/ITR&D	
Hughes	Larry	Dalhousie University	
Ingle	Jeff	Intelligence Community CIO Staff	_____

Irwin	Basil	National Center for Atmospheric Research	
Izadpanah	Hossein	HRL Laboratories	
Jackson	Deborah	NASA/Jet Propulsion Laboratory	
Jannotti	John	MIT	
Joa-ng	Mario	Telcordia Technologies	
Johnson	Marjory	RIACS/NASA Ames Research Center	
Jones	Kevin	NASA Ames Research Center	
Kandlur	Dilip	IBM TJ Watson Research Center	
Khan	Javed	Kent State University	
Kind	Pete	Institute for Defense Analysis	
Kittka	Kevin	Science & Technology Associates	
Konishi	Kazunori	Asia-Pacific Advanced Networking	
Koob	Gary	DARPA/ITO	
Kovar	David	Western Disaster Center	
Kulik	Joanna	MIT	
Kulkarni	Amit	GE Corporate R & D	
Kumar	Mohan	University of Texas at Arlington	
Kumar	Rakesh Teddy	Sarnoff Corporation	
Kumar	Sri	DARPA/ITO	
Kushner	Cherie	Aether Wire & Location, Inc.	
Larsen	Ron	MAITI	
Lehman	Thomas	University of Southern California, Information Sciences Institute	
Lennon	Bill	Lawrence Livermore National Laboratory	
Liebeherr	Jorg	University of Virginia	
Lockwood	John	Washington University	
Loyall	Joe	BBN Technologies	
MacKenzie	Robert	Solipsys	
Maeda	Mari	DARPA/ITO	
Mandrekar	Ishan	Drexel University	
Mankin	Allison	University of Southern California – Information Sciences Institute	
Marquis	Jeff	University of Texas at Arlington	
Mathis	Matt	Pittsburgh Supercomputer Center	
Maughan	Doug	DARPA/ATO	
McFarland Jr.	Ray	Laboratory for Telecommunication Science	
Miller	Grant	NCO/ITR&D	

Mills	Dave	University of Delaware	
Mills	Kevin	NIST	
Minden	Gary	University of Kansas	
Mishra	Amitabh	Virginia Tech	
Monaco	Gregory	NSF	
Montgomery	Doug	NIST	
Mosse	Daniel	University of Pittsburgh	
Mouchtaris	Petros	Telcordia Technologies	
Mount	Richard	Stanford Linear Accelerator Center	
Mundy	Russ	Network Associates Institute Labs	
Murphy	Sandy	Network Associates Institute Labs	
Muthukrishnan	S.	AT&T	
Nadeem	Tamer	University of Maryland	
Ndousse	Thomas	DOE Office of Science	
Nelson	Kyle	Honeywell	
Newman	Harvey	California Institute of Technology	
Perkins	Colin	University of Southern California, Information Sciences Institute	
Personick	Stu	Drexel University	
Rajagopalan	Raj	Telcordia Technologies	
Rao	Nagi	Oak Ridge National Laboratory	
Richeson	Anne	Qwest Communications	
Riedi	Rolf	Rice University	
Roberson	Mark	MCNC	
Samad	Tariq	Honeywell Laboratories	
Sawhney	Harpreet	Sarnoff Corporation	
Sayyah	Keyvan	HRL Laboratories	
Schantz	Rick	BBN Technologies	
Schmidt	Doug	DARPA/ITO	
Scholtz	Jean	DARPA/ITO	
Scott	Keith	MITRE	
Semancik	Bill	National Security Agency	
Seshan	Srini	Carnegie Mellon University	
Seweryniak	George	DOE Office of Science	
Shankar	A. Udaya	University of Maryland	
Shapiro	Jonathan	University of Massachusetts	
Shirazi	Behrooz	University of Texas at Arlington	
Shrikumar	H.	MIT - Media Lab	
Sieworek	Dan	Carnegie Mellon University	
Silverstein	Jonathan	University of Illinois at Chicago	
Sincoskie	Dave	Telcordia Technologies	

Singer	Ed	SES	
Smailagic	Asim	Carnegie Mellon University	
So	H. Wilson	University of California - Berkeley	
Sollins	Karen	MIT	
St. Arnaud	Bill	CANARIE	
Stadler	Scott	MIT – Lincoln Laboratory	
Starobinski	David	Boston University	
Steenkiste	Peter	Carnegie Mellon University	
Sterbenz	James	BBN Technologies	
Stevenson	Dan	MCNC	
Strawn	George	NSF	
Subrahmanian	V.S.	University of Maryland	
Suda	Tatsuya	University of California - Irvine	
Towsley	Don	University of Massachusetts	
Trachtenberg	Ari	Boston University	
Turnbull	Bill	NOAA	
Vogels	Werner	Cornell University	
Walpole	Jonathan	Oregon Graduate Institute	
Watson	Robert	NAI Labs	
Willinger	Walter	AT & T Labs - Research	
Wroclawski	John	MIT	
Yoon	Barbara	Consultant	
Zegura	Ellen	Georgia Tech	
Zhang	Lixia	University of California, Los Angeles	
Zirngibl	Martin	Lucent Technologies	
Znati	Ty	NSF	