

# NOSSDAV '97 *Schedule*

## Sunday, May 18, 1997

16:00- 19:00	Conference Registration
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19:00- 21:30	Informal Dinner ???
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## Monday, May 19, 1997

7:30- 8:30	Breakfast Buffet
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8:30- 9:00	<p>Introductions and Welcome</p> <p style="padding-left: 40px;">Christopher I. Byrnes Dean of the School of Engineering and Applied Science Washington University</p> <p style="padding-left: 40px;">Workshop Chairs Guru Parulkar John DeHart</p>
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9:00- 10:30	<p>Session I "<b>Multimedia-on-Demand (MOD) Servers and Services</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>Design and Implementation of Video Server for Mixed-rate Streams</i>  J. Nishikawa, I. Okabayashi, Y. Mori, S. Sasaki, M. Migita, Y. Obayashi, S. Furuya and K. Kaneko. Matsushita Electric Industrial Co.</li> <li>• <i>Random RAIDs with Selective Exploitation of Redundancy for High Performance Video Servers</i>  Y. Birk. Technion - Israel Inst. of Technology.</li> <li>• <i>Efficient Striping Techniques for Multimedia File Servers</i>  P. Shenoy, and H. Vin. University of Texas.</li> </ul>
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10:30- 11:00	Break
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11:00- 12:30	<p>Session II "<b>Middleware for Multimedia Applications</b>" Session Chair: Steve McCanne</p>
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	<ul style="list-style-type: none"> <li>• <i>U of California, Berkeley contribution</i></li> <li>• <i>Microsoft contribution</i></li> <li>• <i>Intel contribution</i></li> </ul>
12:30-13:30	Lunch
13:30-15:00	<p>Session III "<b>Networking</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>A Comprehensive Multimedia Control Architecture for the Internet</i> H. Schulzrinne. Columbia University.</li> <li>• <i>Environments for Active Networks</i> R. Sharma, S. Keshav, M. Wu and L. Wu. Cornell Univeristy.</li> <li>• <i>WANDS: Wide-Area Network Delay Simulator</i> M. Borella &amp; A. Sears. DePaul University.</li> </ul>
15:00-15:30	Break
15:30-17:00	<p>Session IV "<b>Operating System Optimizations</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>Evaluation of Data Passing and Scheduling Avoidance</i> J. Brustoloni and P. Steenkiste. Carnegie Mellon University.</li> <li>• <i>User-Safe Devices for True End-to-End QoS</i> I. Pratt. University of Cambridge.</li> <li>• <i>A Fresh Approach to File System Quality of Service</i> P. Barham. University of Cambridge.</li> </ul>
17:00-18:00	Break
18:00-20:00	Banquet
20:00-21:00	PC/Planning Meeting
<b>Tuesday, May 20, 1997</b>	
7:30-8:30	Breakfast Buffet

8:30-10:00	<p>Session V "<b>Mobility and Wireless</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>Mobile Filters: Delivering Scaled Media to Mobile Devices</i> A. Balachandran and A. Campbell</li> <li>• <i>System Support for Mobile Multimedia Applications</i> Inouye, Cen, Walpole</li> <li>• <i>On Quality of Service in Mobile Wireless Networks</i> M. Srivastava, P. Mishra</li> </ul>
10:00-10:30	Break
10:30-12:00	<p>Session VI "<b>Multicast</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>Layered Video Multicast with Retransmission (LVRM): Evaluation of Error Recovery Schemes</i> X. Li and M. Ammar. Georgia Institute of Technology. S. Paul and P. Pancha. Bell Laboratories.</li> <li>• <i>Thin Streams: An Architecture for Multicasting Layered Video</i> L. Wu, R. Sharma and B. Smith. Cornell University.</li> <li>• <i>Resilient Multicast Support for Continuous Media Applications</i> R. Xu, A. Myers, H. Zhang, R. Yavatkar. Carnegie Mellon University and Intel.</li> </ul>
12:00-13:00	Lunch
13:00-15:00	<p>Session VII "<b>Miscellaneous and Short Paper Session</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>Service Aggregation Through Rate Adaptation Using a Single Storage Format</i> Krishnan and Little</li> <li>• <i>Practical Experience with a Smoothing Algorithm for Video Streaming</i> F. Miller, X. Mei, T. Lam, K. Zhang, and S. Tripathi. University of Maryland.</li> <li>• <i>A Virtual Network Service for Integrated-Services Internetworks</i> L. Delgrossi and Domenico Ferrari. Unversita Cattolica.</li> <li>• <i>Randomized Token Buckets: Reducing the Buffers Required in Multiplexors</i> J. A. Fingerhut and G. Varghese. Washington University.</li> </ul>

15:00-16:30	Break
16:30-23:59	Excursion (To Cardinals Baseball Game)
<b>Wednesday, May 21, 1997</b>	
8:00-9:00	Breakfast Buffet
9:00-10:30	<p>Session VIII "<b>Smoothing, Scaling, etc on Endsistemas</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>The Performance of Two Dimensional Media Scaling for Internet Videoconferencing: Experiments with ProShare(TM) on the Internet</i>  P. Nee, K. Jeffay and G. Danneels. University of North Carolina.</li> <li>• <i>Online Smoothing of Live, Variable-Bit-Rate Video</i>  J. Rexford. AT&amp;T Research Laboratories.  S. Sen, K. Dey, J. Kurose, J. Stankovic, D. Towsley. University of Massachusetts.  W. Feng. Ohio State University.</li> <li>• <i>Adaptive Middleware for Mobile Multimedia Applications</i>  G. Blair, G. Coulson, N. Davies, P. Robin and T. Fitzpatrick. Lancaster University.</li> </ul>
10:30-11:00	Break
11:00-12:30	<p>Session IX "<b>Networking: Packet Scheduling, Integrated Service</b>" Session Chair: TBD</p> <ul style="list-style-type: none"> <li>• <i>Fair Airport Scheduling Algorithms</i>  P. Goyal and H. Vin. University of Texas.</li> <li>• <i>Hierarchical Relative Error Scheduler: An Efficient Traffic Shaper for Packet Switching Networks</i>  A. Charny. Digital Electric Company.</li> <li>• <i>Understanding TCP Dynamics in an Integrated Services Internet</i>  W. Feng, D. Kandlur, D. Saha and K. Shin. IBM.</li> </ul>
12:30-13:30	Lunch
	Workshop ends