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NetOS publications

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2003 Publications

- **Xen and the Art of Virtualization**
  Paul Barham, Boris Dragovic, Keir Fraser, Steven Hand, Tim Harris, Alex Ho, Rolf Neugebar, Ian Pratt and Andrew Warfield
  to appear in the Proceedings of the ACM Symposium on Operating Systems Principles (SOSP), October 2003
  [PDF]

- **Language support for lightweight transactions**
  Tim Harris and Keir Fraser
  to appear in the 18th ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA-2003), October 2003.
  [PDF]

- **Design choices for language-based transactions**
  Tim Harris
  Technical Report UCAM-CL-TR-572, August 2003
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- **A framework for dynamic SLA-based QoS Control for UMTS**
  Rajiv Chakravorty, Maurizio D'Arienzo, Ian Pratt and Jon Crowcroft
  to appear in IEEE Wireless Communications Magazine, Special Issue on Merging IP and Wireless Networks, October 2003.

- **XenoTrust: Event-based distributed trust management**
  Boris Dragovic, Evangelos Kotsovinos, Steven Hand and Peter Pietzuch
  to appear in the Proceedings of the Second IEEE International Workshop on Trust and Privacy in Digital Business (DEXA-TrustBus'03), September 2003.
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- **The XenoServer Open Platform: Deploying global-scale services for fun and profit**
  (poster)

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to appear in ACM SIGCOMM 2003, August 2003.

- **Network QoS for GRID Systems**
  S Bhatti, S Sorensen, P Clark and J Crowcroft
  International Journal of High Performance Computing Applications Vol 17, No. 3, published by
  Sage Publications

- **Operating System I/O Speculation: How Two Invocations are Faster than One**
  Keir Fraser and Fay Chang
  Proceedings of the USENIX Annual Technical Conference, June 2003

- **XenoSearch: Distributed Resource Discovery in the XenoServer Open Platform**
  David Spence and Tim Harris
  Proceedings of the Twelfth IEEE International Symposium on High Performance Distributed
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- **Dynamic SLA-based QoS Control for Third Generation Wireless Networks: The
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- **Managing Trust and Reputation in the XenoServer Open Platform**
  Boris Dragovic, Steven Hand, Tim Harris, Evangelos Kotsovinos and Andrew Twigg
  Proceedings of the First International Conference on Trust Management, May 2003
  [PDF] also published as part of Volume 2692 of Lecture Notes in Computer Science

- **Palimpsest: Soft-Capacity Storage for Planetary-Scale Services**
  Timothy Roscoe and Steven Hand
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- **GPRSWeb: Optimizing the Web for GPRS Links**
  Rajiv Chakravorty, Andrew Clark and Ian Pratt
  Proceedings of the ACM/USENIX First International Conference on Mobile Systems,
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- **An Extensible RTCP Control Framework for Large Multimedia Distributions**
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  Proceedings of the 2nd IEEE International Symposium on Network Computing and
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- **The Effect of Early Packet Loss on Web Page Download Times**
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- **Architecture of a Network Monitor**
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- **Controlling the XenoServer Open Platform**
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- **The PGM Reliable Multicast Protocol**
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- **Isolation of Shared Network Resources in Xenoservers**
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- **Predicate Routing: Enabling Controlled Networking**
  Timothy Roscoe, Steven Hand, Rebecca Isaacs, Richard Mortier and Paul Jardetzky
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- **Practical Experience with TCP over GPRS**
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- **A Practical Multi-Word Compare-and-Swap Operation**
  Timothy L Harris, Keir Fraser and Ian Pratt
  Proceedings of the 2002 IEEE Symposium on Distributed Computing
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- **WWW Performance over GPRS**
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  Jing Shen, Jiaoying Shi and Jon Crowcroft
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  Timothy Roscoe, Richard Mortier, Paul Jardetzky and Steven Hand.

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- **Architecture and Implementation of a Remote Management Framework for Dynamically Reconfigurable Devices**
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- **Dependable computing needs pervasive debugging**
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- **Spread Spectrum Storage with Mnemosyne**
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- **Storage, Mutability and Naming in *Pasta***
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- **Peer-to-Peer: Peering into the Future**
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- **Resource Control in Network Elements**
Austin Donnelly
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