



XenSummit Speaker Profiles



Ian Pratt

Ian Pratt is the chief architect of the Xen project, and chairman of xen.org. He has played a key role in both the architecture of Xen and formation of industry partnerships that led to the emergence of Xen as the leading open source virtualization technology. Ian was a member of faculty at the University of Cambridge Computer Laboratory, where he led the Systems Research Group for over 7 years. He was a founder of XenSource, and is now VP for Advanced Products at Citrix.



Yu Ke

Yu Ke currently works in Intel Open Source Technology Center, China. He joined Intel in 2003 after getting Computer Science Master Degree from Institute of Software, Chinese Academy of Science. Yu Ke has been involved into several virtualization related projects, and now focuses on adding power management support into Xen.



Kartik Gopalan

Kartik Gopalan is an Assistant Professor in Computer Science at the Binghamton University. His group conducts research in all aspects of experimental computer systems including Virtualization, Distributed Systems, Wireless/Wired Networks, and Real-Time Systems.



Stephen Brueckner

Mr. Brueckner is a Senior Principal Scientist at ATC-NY in Ithaca, New York, where he has conducted R&D efforts in the fields of computer security, P2P networking, automated training, and secure collaboration. Formerly a geologist, he received his Master's degree in computer security from Oregon's Portland State University in 2004.



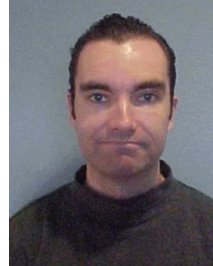
Todd DeShane

Todd DeShane is a Ph.D. student in engineering science from Clarkson University. He also has a Master of Science in computer science and a Bachelor of Science in software engineering from Clarkson. While at Clarkson University, he has had a variety of research publications, many involving Xen. In 2005 a project that was based on Todd's Master's thesis—an open source collaborative, large database explorer—won first place in the UNISYS TuxMasters Invitational. Todd's primary academic and research interests are in the area of operating system technologies, such as virtual machine monitors, high availability, and file systems. His doctoral dissertation focuses on using these technologies to provide desktop users with an attack-resistant experience, with automatic and autonomic recovery from viruses, worms, and adverse system modifications. During his Ph.D. years, Todd has been a teaching assistant and an IBM Ph.D. Fellowship recipient. At IBM Todd has worked on internship projects involving Xen and IBM technologies. Todd enjoys teaching, tutoring, and helping people. Todd is a co-author of the book *Running Xen: A Hands-on Guide to the Art of Virtualization*.



Keir Fraser

Keir Fraser is a senior architect at Citrix and has worked on the Xen hypervisor since 2002. He received a PhD for work on concurrency management and lock-free data structures in 2004, and was a lecturer in the University of Cambridge Computer Laboratory.



Frank van der Linden

Frank van der Linden is a software engineer in the Solaris virtualization group at Sun Microsystems. He joined the Xen effort at Sun last year, and is currently working on combining the Solaris Fault Management Architecture (FMA) with Xen and Solaris dom0. He has a long background in contributing to open source, like e.g. writing the original NetBSD/amd64 port.



Yoshi Tamura

Yoshi Tamura joined NTT in 2005. His areas of interest are Operating Systems, Virtualization and Fault-tolerant systems. Yoshi holds a MS in Computer Systems Engineering from Northeastern University.



Sang-bum Suh

Sang-bum Suh received B.Sc. degree from Inha University in Korea, M.E. degree from Yonsei University in Korea, and Ph.D. degree from Cambridge University in United Kingdom, respectively. He is a principal engineer and leads virtualization projects for client computing systems at SW Laboratories in Samsung Electronics, Korea. He conducted systems R&D ranging from OS to application software for PC and MPEG-2 CATV/ VoD set-top box in Daewoo Telecom, Korea. His research interests include virtualization, embedded system architecture, and QoS for wireless transmission of multimedia.



John Krautheim

John Krautheim is currently a full-time student under the DoD Information Assurance Scholarship Program attending the University of Maryland, Baltimore County, where he is a Ph.D. candidate in Computer Engineering. He is performing his dissertation research in identifying and protecting software in virtual computing environments. His research interests are computer security, identity and authentication, trusted computing systems, virtual machines, and application security. Krautheim has 10 years of industry experience in electronics system design and software engineering at Motorola, LSI Logic, and Mentor Graphics. He is currently employed as a Security Architect by the National Security Agency, where he has been for the last six years. He is also an Adjunct Professor teaching Information Assurance and Application Security at Capitol College in Laurel, MD. He is a Certified Information Systems Security Professional and a Project Management Professional. He has also received certification in the National Training Standard for Information Systems Security (INFOSEC) Professionals (NSTISSI-4011) and Federal Chief Information Officer programs from the Information Resource Management College at the National Defense University. He has a Master of Science in Electrical and Computer Engineering from the University of Cincinnati and a Bachelor of Science in Electrical Engineering from the University of Kentucky.



Etay Bogner

Etay Bogner, Neocleus, Co-Founder and Chief Technology Officer, drives the company's product vision and technical direction. As a networking and security industry veteran, He brings extensive expertise and market understanding to his role at Neocleus. This is Etay's second entrepreneurial venture. Check Point Software Technologies acquired a majority share in his first company, SofaWare Technologies LTd. He served as managing director of SofaWare Technologies. And has held technical positions at BackWeb and other Internet, networking and security companies. He holds a B.Sc in Mathematics and Computer Sciences from Tel Aviv University.



Andres Lagar-Cavilla

Andres Lagar-Cavilla is an experimental computer systems researcher. He is a PhD candidate in Computer Science at the University of Toronto, where he finished his MSc in December 2004. Prior to that he obtained a Computer Systems Engineering bachelor at the Universidad Nacional del Sur university in Bahia Blanca, Argentina. Throughout his PhD research he has explored applications of virtualization to high-performance and cluster computing, security, computation migration, and graphics-intensive interactive applications.



Mark McLoughlin

Mark has been active in Linux development for seven years now. Initially, he worked primarily on the GNOME desktop for both Sun and Red Hat on aspects such as CORBA, GConf, VNC and the panel. In more recent years, he has been involved with a variety of projects in Red Hat's Emerging Technologies group including Stateless Linux, appliances and libvirt virtual networks. These days he is more actively focused on core virtualization technologies for Fedora and RHEL like Xen pv_ops and KVM.

When the computers are powered down, Mark likes nothing more than to enjoy the outdoors, whether that be hiking with wife, sailing, mountain running, skiing or just sipping on a pint of Guinness while watching the rugby.



Samuel Thibault

Samuel Thibault is a Senior Engineer at Citrix/XenSource working on Stub Domains and other related projects (Mini-OS, VGA emulation, PVFB, group scheduling, ...). He is also active in the OSS community for accessibility, TTY/UTF-8 support and GNU/Hurd. He previously conducted a PhD on Scheduling of parallel High-Performance Computing applications on hierarchical NUMA/multicore machines.



Dan Magenheimer

Dan Magenheimer is a consulting developer for Oracle Corporation working from his home in Fort Collins, Colorado, USA, on "Oracle VM"*, Oracle's Xen-based virtualization product.

Prior to Oracle, Dan worked for HP for over 25 years, most recently as a principal research scientist at HP Labs. Dan began at HP as a member of the processor architecture team that developed PA-RISC; he wrote the first PA-RISC simulator, remote debugger, object-code emulator (for the 16-bit HP3000), integer multiplication algorithm, and linker. In 2001, Dan joined an HP Labs team investigating security and virtualization on the Itanium platform; this team developed vBlades, the first Itanium virtual machine monitor. When Xen was announced in 2003, Dan commenced a port of Xen to Itanium (Xen/ia64), utilizing the lessons learned in vBlades and also directly leveraging Linux/ia64 code. This effort grew to involve a multi-company, worldwide team of Itanium experts that completed the port, such that Itanium is the only fully-functional non-x86 architecture in the Xen source tree.

Tristan Gingold

Tristan Gingold started to work on Xen in 2005 when he was working for Bull (France). Gingold focused on enhancing Xen/ia64 (adding SMP host, SMP guest, vcpu hot-add and hot-remove, save & restore and PCI passthrough). Since he left Bull in 2006, he works on Xen during his spare time and tries to fully virtualize more OSes.



Yunhong Jiang

Yunhong Jiang is a senior software engineer in Intel Open Source Technology Center from Shanghai, PRC. He has been working on virtualization for about 4 years, mainly focusing on Xen project. Before that, he worked on driver development and simulator development.

Yunhong earned his Bachelors of Engineering degree from Nanjing Institute of Meteorology and Master of Economics degree from Fudan University.

Prashanth Radakrishnan

Prashanth Radhakrishnan is a member of the technical staff at NetApp, investigating the application of virtualization technologies in the NetApp storage systems. He is also looking at techniques to improve performance on existing virtual machine platforms. Radhakrishnan had earlier worked at VERITAS (Symantec), in the development of its Cluster Volume Manager product. Radhakrishnan received his master's degree from the University of Utah and his undergraduate degree from BITS Pilani, India.

Rolf Neugebauer

Rolf Neugebauer is a staff software engineer at Netronome systems working on operating system support for new IXP based networking cards.

Prior to Netronome, Rolf worked at Microsoft and Intel Research Cambridge. At Intel Research he was a co-developer of Xen and focussed primarily on IO virtualisation.



Kiran Srinivasan

Kiran Srinivasan has been a member of the technical staff and a researcher at NetApp since November 2006. His current work involves investigating virtualization technology to provide fault isolation for NetApp NAS products. Prior to joining NetApp, he worked at ONStor on its NAS Gateway product. At ONStor, he played a key role in the design and implementation of the company's network virtualization solution, which enables consolidation of storage servers across an enterprise. In addition, he helped build the consolidated multiprotocol file system security model of ONStor (a hybrid of Windows NT® and UNIX® security models). Prior to ONStor, he worked at IBM Almaden Research Center, where his work involved constructing cluster infrastructure for large-scale data-mining applications. He received his MS degree from Rutgers University in 2001. For his thesis, Srinivasan developed a novel transport layer protocol (Migratory-TCP) to provide system support for highly available server applications. The protocol enabled migration of live connections between instances of the server application.



Thomas Friebe

Thomas Friebe holds a Master's degree in computer science from TU Dresden. He joined AMD in 2007 where he works for the Operating System Research Center. He is interested in virtualization technologies and CPU architecture extensions.

Caitlin Bestler

Caitlin Bestler is Lead Software Architect at Neterion. She became involved in advanced networking while working for a startup building a streaming storage appliance and needed an existing API that dealt with control/data separation. That led to involvement in RDMA, and working as co-chair for Direct Access Transport's DAPL and RDMA RFCs. Her current focus is on support for virtualization for all NIC services.



Timothy Wood

Timothy Wood is a computer science graduate student at the University of Massachusetts. He is advised by Prashant Shenoy and has worked on improving the reliability, performance, and management of modern data centers, with an emphasis on exploiting the benefits of virtualization. His work on modeling overheads of the virtualization layer was done during an internship at HP Labs with Lucy Cherkasova.



Isaku Yamahata

Isaku Yamahata is a Software engineer for VA Linux software Japan K.K. Xen/IA64 maintainer. He has worked for Xen, mainly Xen/IA64 port, for more than three years.



Yaozu Dong

Yaozu Dong (Eddie), from Open Source Technology Center in Intel Corporation, works on Linux virtualization since 2004 followed by various Xen performance tuning for hardware virtual machine. Recently he is working on network and SR-IOV support for Xen.



Disheng Su

Disheng Su is a software engineer in Virtualization team, at Intel Open Source Technology Center, in PRC, Shanghai.