USENIX Member Benefits

Members of the USENIX Association receive the following benefits:

Free subscription to *;login:*, the Association's magazine, published six times a year, featuring technical articles, system administration articles, tips and techniques, practical columns on such topics as security, Perl, networks, and operating systems, book reviews, and reports of sessions at USENIX conferences.

Access to *;login:* online from October 1997 to this month: www.usenix.org/publications/login/

Discounts on registration fees for all USENIX conferences.

Special discounts on a variety of products, books, software, and periodicals: www.usenix.org/membership/specialdisc.html.

Contributing to USENIX Good Works projects such as open access for papers, videos, and podcasts; student grants and scholarships; USACO; awards recognizing achievement in our community; and others: http://www.usenix.org/about/goodworks.html

The right to vote on matters affecting the Association, its bylaws, and election of its directors and officers.

For more information regarding membership or benefits, please see www.usenix.org/membership/ or contact office@usenix.org, 510-528-8649.

USENIX Board of Directors

Communicate directly with the USENIX Board of Directors by writing to board@usenix.org.

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2012 Election for the USENIX Board of Directors

USENIX is a member organization; its vision, focus, and initiatives are centered on serving the needs of its members and their various constituencies. The USENIX Board is responsible for the decision-making and proactive action that best serves the needs of the membership.

The biennial election for officers and directors of the Association will be held in the spring of 2012. People can be nominated for the USENIX board in two ways: either by contacting the Nominating Committee (nomcomm@usenix.org) or by submitting a written statement of nomination signed by at least five (5) USENIX members in good standing.

The Nominating Committee Report is now online at www.usenix.org/about/elections12/elections12nomcomm.html. The report includes a slate of nominees who, in the opinion of the Nominating Committee, would best serve the interests of the organization and the membership.

It is not too late to consider running for the USENIX Board. Nominations from the membership are open until January 6, 2012. To nominate an individual, send a written statement of nomination signed by at least five (5) members in good standing, or five separately signed nominations for the same person, to the Acting Executive Director at the Association offices, to be received by noon PST, January 6, 2012. Please also

prepare a plain-text Candidate's Statement of up to 260 words and send both the statement and a 600 dpi photograph to jel@usenix.org, to be included with the ballots.

There are five distinct roles on the USENIX Board. The Board consists of eight directors, four of whom are "at large." The others are officers, including the president, vice president, secretary, and treasurer. Written statements of nomination should specify the role (president, vice-president, secretary, treasurer, or at-large director) to which the nomination pertains.

Ballots will be mailed to all paid-up members by January 31, 2012. Ballots must be received in the USENIX offices by March 12, 2012. The results of the election will be announced on the USENIX Web site by March 30 and will be published in the June issue of *;login:*.

The balloting is preferential: those candidates with the largest numbers of votes are elected. Ties in elections for directors shall result in run-off elections, the results of which shall be determined by a majority of the votes cast. Newly elected directors will take office at the conclusion of the first regularly scheduled meeting following the election, or on July 1, 2012, whichever comes earlier.

—Alva L. Couch, Chair, USENIX Board Nominating Committee

USENIX Remembers Dennis Ritchie (1941–2011)

Our community suffered a serious loss this past October with the passing of UNIX co-inventor and C programming language creator Dennis Ritchie. Dennis was a quiet man who left behind a far-reaching legacy. He was awarded the Turing Award in 1983, the National Medal of Technology in 1999, and the Japan Prize in 2011. While the world and the technical community mourn the loss of a true pioneer, USENIX lost that and much more—Dennis was one of us. He was a frequent attendee at USENIX events for over two decades, a mentor to many, and a friend to all.

If you have a favorite Dennis story, please share it with the community on our Facebook page (https://www. facebook.com/pages/USENIX-Association/124487434386)—and visit our online tribute page (http://www.usenix. org/about/Ritchie.html).

A Note from Dennis's Family
As Dennis's siblings, Lynn, John, and Bill Ritchie—on behalf of the entire Ritchie family—we wanted to convey to all of you how deeply moved, astonished, and appreciative we are of the loving tributes to Dennis that we have been reading. We can confirm what we keep hearing again and again: Dennis was an unfailingly kind, sweet, unassuming, and generous brother—and of course a complete geek. He had a hilariously dry sense of humor, and a keen appreciation for life's absurdities—though his world view was entirely devoid of cynicism or mean-spiritedness.

We are terribly sad to have lost him, but touched beyond words to realize what a mark he made on the world, and how well his gentle personality—beyond his accomplishments—seems to be understood.

USA Team Wins Big at International Programming Competition

The four-student USA team attending the 2011 International Olympiad in Informatics (IOI) delivered an impressive set of results, earning three gold medals and one silver. The IOI, widely regarded as the world championship programming competition at the high school level, was held this August in Pattaya, Thailand, where 302 of the world's best high school programmers from 78 countries tested the limits of their computational problem-solving abilities. The USA was among only four countries earning three gold medals (the others being China, Taiwan, and Croatia), and our point total was exceeded only by China and Russia, making this one of our best overall results ever.

The 2011 USA team includes:

◆ Wenyu Cao (gold, 6th place overall), from Phillips Academy in Andover, Massachusetts, who is now attending Princeton
◆ Johnny Ho (gold, 17th place overall), a sophomore from Lynbrook High School in San Jose, California
◆ Albert Gu (gold, 19th place overall), a senior from Saratoga High School in Saratoga, California, who is now attending Carnegie Mellon University
◆ Nathan Pinsker (silver, 42nd place overall), a senior from Palo Alto High School in Palo Alto, California, who is now attending MIT

The USA team is selected and trained by the USA Computing Olympiad (USACO), a national organization supporting the advancement of high school computing by identifying, motivating, and training top computing students across the country. The USACO offers six monthly programming contests in three divisions (bronze, silver, gold) throughout the academic year, a set of online training pages that have benefitted tens of thousands of students from nearly 90 countries, and

Left to right: Albert Gu, Wenyu Cao, Brian Dean, Johnny Ho, Nathan Pinsker.
Not pictured: Deputy leader Neal Wu, who had to leave a day early to compete in the international finals of the Google Code Jam competition in Tokyo.

a rigorous invitational summer training camp for the top 16 students in the USA. USACO is sponsored by USENIX and IBM, and relies on a dedicated team of volunteer coaches for its operation; thanks are due to Jacob Steinhardt, Alex Schwendner, Richard Peng, Jelle van den Hooff, Neal Wu, Eric Price, and Rob Kolstad, as well as to a host of volunteer problem-solvers who help us in preparing our contests.

The problem lineup at the IOI this year was quite challenging, involving several problems that required students to think "outside the box." In addition to a challenging set of programming tasks, participants in the IOI were treated to a rich cultural program, including excursions into Bangkok, demonstrations of Thai martial arts, singing and dance, elephant rides, and authentic Thai cuisine. The entire USA delegation, including team leader Dr. Brian Dean,

deputy leader and three-time former IOI gold medalist Neal Wu, and the four team members, all had the experience of a lifetime.

The USACO is indebted to our long-term sponsors, USENIX and IBM. Without the support of forward-looking organizations like these, USACO would never have the means of fulfilling its goals of elevating high-school computing nationwide. There are many alarming trends in high-school computing at the present time: undergraduate CS enrollments are at near 30-year lows, and only 1% of high-school seniors take the AP computer science exam. Our sponsors are among the few organizations that truly recognize that building the foundation for a future workforce to succeed in a high-tech global economy requires dramatic investments to promote excellence in high school computing education.

—Brian Dean, USACO Associate Director

Thanks to Our Volunteers

As many of our members know, USE-NIX's success is attributable to a large number of volunteers, who lend their expertise and support for our conferences, publications, good works, and member services. They work closely with our staff in bringing you the best there is in the fields of systems research and system administration. Many of you have participated on program committees, steering committees, and subcommittees, as well as contributing to this magazine. We are most grateful to you all. We would like to make special mention of some people who made particularly significant contributions in 2011.

Acting Executive Director
We would like to extend a special thank you to Margo Seltzer, Vice President of the USENIX Board of Directors, for her dedication to USENIX and for taking the reins with enthusiasm and commitment.

Program Chairs
Greg Ganger and John Wilkes: 9th USENIX Conference on File and Storage Technologies (FAST '11)

David G. Andersen and Sylvia Ratnasamy: 8th USENIX Symposium on Networked Systems Design and Implementation (NSDI '11)

Anees Shaikh and Kobus Van der Merwe: Workshop on Hot Topics in management of Internet, Cloud, and Enterprise Networks and Services (Hot-ICE '11)

Christopher Kruegel: 4th USENIX Workshop on Large-Scale Exploits and Emergent Threats: Botnets, Spyware, Worms, and More (LEET '11)

Matt Welsh: 13th Workshop on Hot Topics in Operating Systems (HotOS XIII)

Michael McCool and Mendel Rosenblum: 3rd USENIX Workshop on Hot Topics in Parallelism (HotPar '11)

Jason Nieh and Carl Waldspurger: 2011 USENIX Annual Technical Conference (USENIX ATC '11)

Program Chairs (continued)

Armando Fox: 2nd USENIX Conference on Web Application Development (WebApps '11)

Ion Stoica and John Wilkes: 3rd USENIX Workshop on Hot Topics in Cloud Computing (HotCloud '11)

Irfan Ahmad: 3rd USENIX Workshop on Hot Topics in Storage and File Systems (HotStorage '11)

Sanjay Kumar, Himanshu Raj, and Karsten Schwan: 3rd Workshop on I/O Virtualization (WIOV '11)

Peter Buneman and Juliana Freire: 3rd USENIX Workshop on the Theory and Practice of Provenance (TaPP '11)

David Wagner: 20th USENIX Security Symposium (Security '11)

Hovav Shacham and Vanessa Teague: 2011 Electronic Voting Technology Workshop/Workshop on Trustworthy Elections (EVT/WOTE '11)

Sean Peisert and Stephen Schwab: 4th Workshop on Cyber Security Experimentation and Test (CSET '11)

Nick Feamster and Wenke Lee: USENIX Workshop on Free and Open Communications on the Internet (FOCI '11)

David Brumley and Michal Zalewski: 5th USENIX Workshop on Offensive Technologies (WOOT '11)

Ben Adida and Umesh Shankar: 2nd USENIX Workshop on Health Security and Privacy (HealthSec '11)

Patrick McDaniel: 6th USENIX Workshop on Hot Topics in Security (HotSec '11)

Alex Hutton: Sixth Workshop on Security Metrics (MetriCon 6.0)

Thomas A. Limoncelli and Doug Hughes: 25th Large Installation System Administration Conference (LISA '11)

Invited Talks/Special Track Chairs

John Wilkes: Work-in-Progress Reports (WiPs) and Posters Chair at FAST

David Pease: Tutorial Chair at FAST

Michael Walfish: Poster Session Chair at NSDI

Ajay Gulati: Poster Session Chair at USENIX Annual Tech

Irini Fundulaki: Local Workshop Chair at TaPP

Grigoris Karvounarakis: Workshop Organization and Proceedings Coordinator at TaPP

Sandy Clark, Dan Geer, and Dan Wallach: Invited Talks Committee at USENIX Security

Patrick Traynor: Poster Session Chair at USENIX Security

Matt Blaze: Rump Session Chair at USENIX Security

Æleen Frisch and Kent Skaar: Invited Talks Coordinators at LISA

Cory Lueninghoener: Workshops Coordinators at LISA

Chris St. Pierre: Guru Is In Coordinator at LISA

Matt Disney: Poster Session Coordinator at LISA

William Bilancio: Work-in-Progress Reports (WiPs) Coordinator at LISA

Other Major Contributors

John Arrasjid, David Blank-Edelman, Matt Blaze, Clem Cole, Alva Couch, Brian Noble, Niels Provos, and Margo Seltzer for their service on the USENIX Board of Directors

John Arrasjid, Jeff Bates, Stephen Bourne, Bryan Cantrill, Clem Cole, Æleen Frisch, Dan Klein, Thomas A. Limoncelli, Timothy Lord, Jim McGinness, Brian Noble, and Theodore Ts'o for serving on the USENIX Awards Committee

Brian Dean, Rob Kolstad, Don Piele, Richard Peng, Eric Price, Alex Schwendner, Jacob Steinhardt, Jelle van den Hoof, and Neal Wu, this year's directors and coaches for the USA Computing Olympiad, co-sponsored by USENIX

Dan Geer, Theodore Ts'o, Brian Noble, and Margo Seltzer for serving on the Audit Committee

Alva Couch for chairing the USENIX Board of Directors Nominating Committee

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Jacob Farmer of Cambridge Computer for his sponsorship of the USENIX Education on the Road series and for organizing the Storage Pavilion and Data Storage Day at LISA

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Matt Simmons for blogging about USENIX activities