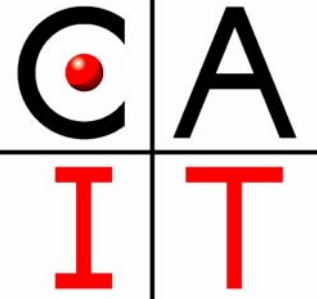


CAIT Connection

Center for the Application of Information Technology
Washington University in St. Louis

July/Aug, 2006



Convergence is Topic of September 7th Event

When we hear the term "convergence" these days, most of us immediately think of Voice Over IP (VoIP). But, VoIP is just the beginning. We are in the midst of a revolution in organizational restructuring and decentralization, with accelerating use of branch offices, global connectivity, and remote, mobile, and virtual workforces. This has greatly increased both the complexity and the need for convergence in communication technologies, spawning a dizzying array of options: wire vs. wireless, PC vs. phone vs. PDA, e-mail vs. voice mail, mobile vs. fixed point, access vs. presence, conference vs. videoconference calls.



Johna Johnson
President & Chief Research Officer,
Nemertes Research

7th when we will examine "Convergence: The Next Frontier" with **Johna Johnson**, President & Chief Research Officer, Nemertes Research. This event will be held from 8:15-10:30 a.m. at the Mission Control Room of the James S. McDonnell Planetarium at the

St. Louis Science Center. Executive Members may send up to 6 individuals; Supporting Members up to 3; SME Members up to 2; Vendor Members up to 3 plus 3 guests. To register, please contact (314) 935-4444 or EventRSVP@cait.wustl.edu.

Johna Till Johnson is president and chief research officer of Nemertes Research, where she sets research direction and works with strategic clients. She has decades of experience in IT structure, processes, and organizations and has worked closely with senior IT executives at leading organizations across a broad range of industries. A widely regarded expert, Ms. Johnson regularly speaks at numerous trade shows, conferences, and seminars, and writes an insightful weekly column in *Network World*.

CONVERGENCE, (Continued on page 4)

Join us on Thursday, September

CAIT Welcomes Mary Sansalone, New Dean

Mary J. Sansalone, Ph.D. became dean of the School of Engineering & Applied Science at Washington University in St. Louis on July 1, 2006. Sansalone succeeds Christopher I. Byrnes, Ph.D., dean of the School of Engineering & Applied Science since 1991 and the Edward H. and Florence G. Skinner Professor of Systems Science and Mathematics.

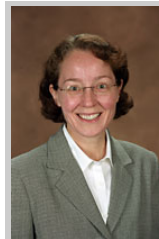
"We are extremely pleased to have Mary Sansalone join us at Washington University and lead our School of Engineering & Applied Science," Chancellor Mark S. Wrighton said. "She has an exceptional background in all levels of

higher education, from research, to teaching and advising undergraduate and graduate students, to performing many different challenging administrative duties.

"Mary has a keen interest in exploring the interface of engineering and other disciplines," Wrighton continued. "As such, she has been a very effective collaborator with others in academia, government and industry. We welcome her heartily."

Sansalone is only the ninth dean the School of Engineering & Applied

SANSALONE, (Continued on page 2)



"CAIT is one of Engineering's treasures. CAIT's mission and educational activities are an important link between the School of Engineering & Applied Science at Washington University and the business community in St. Louis.

"It is wonderful to have CAIT as an educational unit within the School, both because its educational activities are first-rate in their own right, and they offer opportunities for programmatic synergy with the Sever Institute for Engineering Management (formerly Professional Degree Programs) and with the full-time academic programs. I very much look forward to working with CAIT."

- Dean Mary Sansalone, Ph.D.

WHAT'S COMING

"Project Management Prof'l (PMP) Concepts Review & Exam Prep" (PMREV1)

Three Days:
Mon-Wed, Sep 11-13
8:30am-4:00pm
Or
Six Evenings:
Mon & Wed, Oct 9-Oct 25
5:00pm-8:00pm

"EI for IT: Using Emotional Intelligence in IT" (MGT295)

Two Days:
Mon-Tue, Oct 2-3
8:30am-4:00pm

"Marketing the IT Organization Internally" (MGT110)

Two Days:
Tue-Wed, Oct. 17-18
8:30am-4:00pm

"Project Management Simulation" (PMSIM1)

Three Days:
Tue-Thu, Oct. 24-26
8am-4:30pm

To enroll, contact CAIT Training Services at (314) 935-4444 or training@cait.wustl.edu

From the Director's chair...

Never a dull moment

If the occurrences over the past couple of weeks have served as a reminder of anything, it is surely that we can take nothing for granted. It took nine days and about 4,000 utility workers from around the country for power to the St. Louis region to be restored after the storm. That is, until another storm came through this past Saturday night and temporarily knocked out power to additional homes and businesses. Sadly, an Ameren line repairman died when electrocuted while working to restore power, and a contract worker from Topeka, Kansas was also shocked and badly burned.

Ameren was certainly not the only stressed utility. Metropolitan St. Louis Sewer District crews continue to clean storm inlets and perform other maintenance throughout St. Louis city and county as branches, trees and other debris block streets and create blockages in underground sewer pipes. Missouri's National Guard was deployed for badly needed assistance, more than 70,000 tons of debris has been collected since the first storm, over 100,000 meals have been served, and about 2,500 people stayed at shelters and cooling centers due to the extreme heat.

These are just some of the area's resulting challenges and difficulties. On a more local level, CAIT's classrooms were without power for a few days. Although we were able to improvise to hold a few classes, I apologize to those who were affected by the classes we did have to cancel. They have been rescheduled.

Lessons of ingenuity, gratitude, preparedness, and vigilance have all been learned by many individuals, families, organizations and companies throughout these demanding times. I suspect there are many discussions now taking place about IT business continuity and disaster recovery, as well as pandemic readiness planning. There's never a dull moment!

I've got to wrap-up now. The Washington University maintenance team just arrived to find the cause for an extreme amount of water spewing from a pipe underneath the sink in our kitchen. Like I said – never a dull moment...



Laurie Koetting

Laurie Koetting

Final Call for Corporate Wall Posters for CAIT Classrooms

As recent visitors to CAIT have surely noticed, we have been transforming our classrooms into galleries of art, adorning the walls with framed corporate posters from CAIT members. Members have been sending us posters, which we have framed and mounted on our walls.

These posters provide more than just aesthetic value. They provide our students with an understanding of which organizations in the St. Louis area are

most committed to excellence in their IT operations, the development of their IT personnel, and the vitality of the IT function in the community.

If your corporation has not submitted a poster for our walls, it is not too late! Please contact Madelynn Hopson at madelynnh@cait.wustl.edu or (314) 935-5367. She would also be happy to confirm whether or not your organization has already contributed a poster.

SANSALONE. (Continued from page 1)
 Applied Science has had since 1870. She oversees approximately 1,100 undergraduate students, 750 graduate students and 89 tenured or tenure-track faculty, 60 research faculty, more than 150 adjunct faculty, more than 300 undergraduates in the joint engineering program with the University of Missouri- St. Louis and more than 100 staff members. A faculty member at Cornell University since 1987, she earned her Ph.D. in structural engineering from Cornell the previous year. She received a bachelor's in civil engineering from the University of Cincinnati in 1982, where she studied both civil engineering and literature. In 1999, she earned a master's in public administration from the John F. Kennedy School of Government at Harvard University.

Sansalone's primary research interests focus on transient stress wave propagation in bounded solids, signal processing and pattern recognition, the development of sensing techniques for detecting cracks and flaws in materials, and evaluation of materials and structures. Through a combination of theory, computer simulation, and laboratory and field experiments, she invented a method and an instrument, called Impact-Echo, for nondestructive evaluation of concrete and masonry structures.

She laid the theoretical and experimental foundation for this work while a Cornell graduate student. She and her graduate

students developed a wide range of applications and invented a field instrument, publishing nearly 90 articles and research reports. Cornell patented the instrument.

In 1995 she worked closely with Cornell's Office of Technology Transfer and with industry to transfer knowledge about use of the Impact-Echo method and instrument to engineers working on evaluation and repair of structures. She is the lead author of a book published in 1997 on Impact-Echo and its applications. That book has been translated into Japanese and Chinese. In addition to its use on many private and public works structures, Impact-Echo has been used in the evaluation of historic structures, including the Great Pyramid of Cheops in Egypt.

Sansalone was elected a fellow of the American Association for the Advancement of Science in 2002 and a fellow of the American Concrete Institute in 1999. She was a recipient of the Alan Yorkdale Award from the American Society of Testing and Materials in 1997. She was awarded the Wason Medal for Materials Research by the American Concrete Institute in 1991.

Sansalone has also been recognized for her teaching and advising of students. She was named U.S. National Professor of the Year by the Council for the Advancement and Support of Education and the Carnegie Foundation in 1992, and in 1993, Cornell named her a Weiss Presi-

SANSALONE. (Continued on page 4)

CAIT & SAVVIS to Host North American Internet Leaders, Oct. 8-13

St. Louis will become the "hub" for Internet leaders throughout North America October 8-13, providing our local IT community with unique opportunities for learning and "networking." Two leading groups, ARIN and NANOG, will be holding joint meetings that include public forums and tutorials on the Internet and its future. Of particular interest will be a tutorial on networking implementation of IPv6, which will take place on Sunday, October 8th. For details, please contact Bill Darte at billd@cait.wustl.edu or (314) 935-7575.

ARIN (American Registry for Internet Numbers) is holding a bi-annual policy-making meeting that will provide opportunities to engage in policy discussions, network with colleagues, and attend workshops and tutorials. ARIN is a nonprofit corporation that is responsible for allocating and managing Internet Protocol (IP) resources for North America. This organization is at the center of such controversial issues as the implementa-

tion of the next generation Internet Protocol, IPv6, and the emerging global debate on who will control the Internet. Meeting participants will include individuals representing a wide range of industries and network sizes, as well as Regional Internet Registries in the European, Asia-Pacific, African, and South American/Caribbean communities.

CAIT Senior Technical Associate **Bill Darte** is one of the founding members of ARIN, and has been a member of the Advisory Council to the Board of Trustees since the organization's formation in 1997. He was instrumental in bringing this meeting to St. Louis.

NANOG (North American Network Operators Group) is an educational and operational forum for the coordination and dissemination of technical information related to backbone/enterprise networking technologies and operational practices. NANOG meetings are held three times each year, and include two

ARIN, (Continued on page 4)

Welcome Scottrade, CAIT's Newest Member

We are pleased to announce that Scottrade has become a member of CAIT. Please be sure to welcome individuals from this organization at upcoming member events. Representing Scottrade on CAIT's Board will be **Ian Patterson, Chief Information Officer**.

Scottrade is a privately-owned online brokerage based in St. Louis. The company was founded as Scottsdale Securities in 1980 by Rodger Riney, President and CEO, as a discount brokerage and started offering online trading in 1996. In 2000, the company's name was changed to Scottrade to reflect its trading Web site, www.scottrade.com.

Scottrade is a leader in the online brokerage industry and has been ranked "Highest in Investor Satisfaction" by J.D. Power and Associates for an unprecedented six consecutive times. In addition to its recognition by J.D. Power and Associates, Scottrade has been named Gold Winner of the 2006 Cus-

tomers Loyalty Award from Brandweek Magazine.

Scottrade's corporate headquarters is located in West St. Louis County, near Manchester Road and I-270. Although Scottrade was founded in Scottsdale, Arizona, St. Louis has served as its corporate headquarters since 1981.



Scottrade has 272 branches across the country in 47 states and expands its branch network by approximately 15 percent each year. These branches provide service and assistance to customers, who make their own trading decisions. Each branch is staffed by a branch manager and a licensed broker and/or a customer service office assistant. Brokers are available at local branches to assist customers with online

Connecting with the CAIT Staff

Laurie Koetting
Director
(314) 935-5398, lauriek@cait.wustl.edu

Steve Boriss
Associate Director
(314) 935-4850, steveb@cait.wustl.edu

Thomas A. Browdy, Ph.D.
Director & Affiliate Professor,
Information Mgmt. Programs
(314) 935-5138, tbrow@wustl.edu

Madelynn Hopson
Client Services Manager
(314) 935-5367, madelynnh@cait.wustl.edu

Bill Darte
Senior Technical Programs Specialist
(314) 935-7575, billd@cait.wustl.edu

Carole Swindle
Business Manager
(314) 935-4790, caroles@cait.wustl.edu

Dottie Barresi
Client Services Coordinator
(314) 935-5379, dottieb@cait.wustl.edu

Cheryl Walker
Client Services Coordinator
(314) 935-7347, cheryls@cait.wustl.edu

Kathleen Neal
Marketing Programs Assistant
(314) 935-5501, kathleenn@cait.wustl.edu

Pat Waller
Sr. Client Support Specialist
(314) 935-5382, patw@cait.wustl.edu

Keith Hible
Sr. Client Support Specialist
(314) 935-7571, keithh@cait.wustl.edu

tutorials, answer questions, and provide customer service. Customers access research through Scottrade's Web site.

Scottrade offers online, broker-assisted, telephone or wireless trading services on three trading platforms: Scottrade.com, Scottrader and ScottradeElite. Scottrade also offers Chinese-language services in several branches across the country, on its Web site and at its national Service Center in St. Louis.

CONVERGENCE, (Continued from page 1)

Ms. Johnson relates to the challenges senior executives face, as she's managed large technology operations. Before founding Nemertes, she served as senior vice president and chief technology officer at Greenwich Technology Partners, a \$60 million infrastructure consulting and engineering firm.

Prior to joining GTP, she headed the \$12 million Global Networking Strategies Service business unit of META Group, where she advised Global 2000 IT organizations, vendors, and service providers. As senior technology editor of Data Communications magazine, she was one of the first experts to accurately predict and justify the rise of the commercial Internet.

Ms. Johnson also has designed and developed security, speech-synthesis, and free-space laser products at companies

including Mosler Security Systems and Digitus Corp.

She holds a BSEE (CS) from The Johns Hopkins University, has conducted graduate work in nuclear and particle physics at the University of Rochester, speaks three languages, and published a science fiction novel in 1995.

Nemertes Research is an independent research firm that specializes in quantifying the business impact of technology. They help clients optimize their IT investments by providing objective, real-world insight. Nemertes works closely with roughly 3,800 IT professionals with whom their team has close, long-term relationships and who provide them with ongoing insight into the drivers behind their technology purchasing decisions.

SANSALONE, (Continued from page 2)

dential Fellow for effective, inspiring and distinguished teaching of undergraduate students.

From 1993-97, Sansalone served as associate director of the School of Civil & Environmental Engineering at Cornell. From 1999-2000 she served as vice-provost for academic programs at Cornell, where she worked with the deans of Cornell's colleges and on the planning of university initiatives.

During the 2002-03 academic year, she took a one-year leave to be vice president of planning at New York University, where she focused on academic, financial and administrative issues brought on by the unionization of adjunct faculty.

Mary Sansalone is married to Bill Streett, Ph.D., a West Point graduate and an emeritus member of the chemical engineering faculty at Cornell University.

Visit CAIT at

<http://cait.wustl.edu>

CAIT offices are located at:
5 North Jackson, Suite 130, Clayton

For general or membership information, contact Steve Boriss at:
steveb@cait.wustl.edu or (314) 935-4850

For training information, contact Madelynn Hopson at:
madelynnh@cait.wustl.edu or (314) 935-5367

To register for courses, contact training@cait.wustl.edu (314) 935-4444

ARIN, (Continued from page 3)

days of short presentations, plus afternoon/evening tutorial sessions. Participating researchers present short summaries of their work for operator feedback. The meetings are informal, and membership is open. Conference participants typically include senior engineering, operations management, and network architects from North America's premier network and Internet services community.

CAIT is sponsoring these meetings jointly with SAVVIS, Inc., which has graciously agreed to provide the networking infrastructure to support Internet and hotel wired and wireless service.

For more information, or if your company might be interesting in becoming a meeting sponsor, please contact Bill Darte at billd@cait.wustl.edu or (314) 935-7575.

2006 CAIT MEMBER EVENTS

UPCOMING EVENTS

Date	Topic	Presenter	Time	Location
Thu, Sep 7	Convergence: The Next Frontier	Johna Johnson, Nemertes Research	8:15-10:30am	St. Louis Science Ctr, Mission Control Rm
Fri, Sep 22	Municipal Wi-Fi & Next Gen. Broadband	Job Linton, Earthlink	7:30am-5:00pm	Innsbrook Golf Resort
Oct, 2006	TBD	TBD	TBD	TBD
Wed, Nov 15	Sarbannes-Oxley: What's Working & Not	David Chavern, US Cham. of Commerce	3:00-6:30pm	St. Louis Zoo, River Camp
Dec, 2006	TBD	TBD	TBD	TBD

PREVIOUS EVENTS

Tue, Jan 31	Service-Oriented Architecture (SOA)	Brenda Michelson, Patricia Seybold Grp	8:30-10:30am	Saint Louis Art Museum
Thu, Feb 16	IT Trends 2006	Merv Adrian, Forrester Research	8:30-10:30am	St. Louis History Museum, Forest Park
Thu, Apr 25	Identity & Privacy Trends in Enterprise IT	Gijo Mathew, Computer Associates	3:00-7:30pm	Visitors Center, Forest Park
Tue, May 23	Achieving Both Privacy & Security	Prof. Dr. Ron Indeck, Washington Univ.	5:30-8:30pm	Whittemore House
Thu, Jun 8	Best Practices in Business Intelligence	Dennis McLaughlin, Daniel Schultz, Information Builders	8:15-10:30am	Whitaker Hall Auditorium