ACUTA Newsletters

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The Green IT track of the ACUTA Summer Seminar will provide a unique opportunity to focus on ways that campus ICT operations can become more sustainable. If you are unable to attend, please spread the word to your campus sustainability office and IT colleagues. We are bringing together a very powerful group of experts you won’t want to miss.

Wendell Brase (Vice Chancellor at UC Irvine) will discuss the American College and University Presidents’ Climate Commitment and strategies for mitigating campus greenhouse gas emissions with specific focus on deep energy efficiency projects, green IT, and the development of a low-carbon energy infrastructure.

Mukesh Khattar (Energy Director, Oracle), Michael Chaney (Senior Director, Cisco Systems), and Sarah Sorensen (Sustainability Consultant with TwoTomorrows for Juniper Networks) will discuss what these leading IT companies are doing related to sustainability in their own IT operations as well as in the products and services they offer to universities.

MaryBeth Stuenkel (Manager of Groupware Services at the University of Michigan) will review their desktop best practices and ways they are changing the norm on campus to consider sustainability in IT operations.

Phil Reese (Research Computing Strategist, Stanford University) will forecast cloud computing’s energy impact and server room and data center redesigns that are expected to bring significant energy savings.

Mark Sheehan (ECAR Fellow, EDUCAUSE) will review the 2010 ECAR study of green IT that examines the stance institutions and their central IT organizations are taking on environmental sustainability and identifies practices that are associated with positive outcomes.

Jerry Sheehan (Chief of Staff, California Institute for Telecom & IT/UCSD) will discuss Calit2’s platform for energy and carbon measurement of modern IT infrastructure and the Institute’s efforts to achieve carbon neutrality through applications in intelligent building, intelligent transportation, and next generation telepresence.

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Geoffrey Bell (Energy Engineer, Lawrence Berkeley National Laboratory) will review their methods to do an energy efficient tune up of their legacy data center.

Christine Hertzog (Managing Director, Smart Grid Library), Joe Sugg (Assistant VP, Santa Clara University), Emir José Macari (Engineering & Computer Science Dean at Cal State Sacramento) Terry Mohn (CTO of Balance Energy), and Claudio Lima (Managing Director, Sonoma Innovation) will discuss creating a campus microgrid and smart grid opportunities for higher education.

Mark Reynolds (Director, IT Networks, University of New Mexico), Jennifer Van Horn (Manager, Network Distribution, Indiana University), and Tim Garrett (Voice Network Operations Manager, UCLA) will discuss their campus migrations to unified communications and will suggest ways that this may contribute to their campus sustainability efforts.

Caitlin Steele (Sustainability Programs Manager, San Francisco State University) and two other panelists will talk about energy-efficient IT purchases and security and other considerations related to recycling or disposing of IT equipment.

In addition to the Green IT track, the ACUTA Summer Seminar will offer a 3-day curriculum addressing Wireless - The New Paradigm. For more information about the seminar, including registration and hotel details, go to http://www.acuta.org.

From the President

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Seems Like a Good Idea

A guy was walking through the desert one day and saw another guy take off all of his clothes and jump into a giant cactus. When he asked him why he did that, the other guy answered, “It seemed like a good idea at the time.”

How often have you been involved with a “change,” either personal or professional, where the result was as painful for you as it was for the guy in the cactus, and the rationale for the change was probably as well thought out as “it seemed like a good idea at the time”? Change is (mostly) unavoidable and often out of our hands. Those few times in life where we can affect the change by doing good due diligence and planning, shouldn’t we reach out with gusto and grab hold? For ACUTA, now is that time and here is clarion call to each of you.

The past two years the economy has been the straw that has stirred the drink for most of our organizations, and ACUTA is no different. Rather than just try to “weather the storm,” your Board has spent a significant amount of time trying to understand what the new norm will be across higher education technology associations. Along the way we have added digital recordings of live sessions for those whose travel budgets wouldn’t allow being there in person. We have upgraded our Web presence (check out the NEW acuta.org!) and will continue to expand our reach into the social media realm. We have studied our seminar and conference schedule to see if it needs to be modified. And these are just the most transparent examples. I find listening to each of you outside a seminar room with your suggestions and your thoughts to be illuminating as well. Now I am asking the rest of you for your help in doing our due diligence.

In the days prior to the ACUTA Summer Seminar in San Francisco (July 18-21), a group of the ACUTA leadership will be gathering for an Education Strategic Planning session. It is our goal to leave the strategic planning retreat with a proposed path of evolution and a set of specific strategies for ACUTA’s educational offerings that would be responsive to member needs and preferences and would also meet ACUTA’s business and financial objectives. Over the past years as ACUTA has evolved and expanded to include all information communications technology professionals in higher education, we wonder if we have kept pace with our educational offerings. At the end of the day, the question remains one of how to be sure ACUTA is a strong, relevant association that can deliver what our membership needs in ways they can easily access, be that via the Web and social networking, in person, or some other way, shape, or manner we haven’t thought of.

To make this strategic planning session work best, we need input from each of you. What is it you want us to bring to you? More technical training? More opportunities for net-
Can Wireless Replace the PSTN? There are multiple conditional answers. For features and functions, wireless duplicates and enhances the telephone experience. Economically, wireless can compete with the PSTN. However, geographic coverage is better, at this time, with the PSTN. The biggest issue is the legislative and regulatory requirements for the PSTN that are not matched by wireless networks—for example, the Carrier of Last Resort (COLR).

Geographic Coverage

The multiple wireless networks in the U.S. provide varying service in many geographic locations, but they are not ubiquitous. There are many locations that are not served. Look at the Verizon and AT&T maps you have seen in television ads about the national 3G coverage. AT&T has considerable empty space. Even though Verizon’s coverage is broader, there are still many empty spaces on their map. There is no COLR for wireless; therefore, there is no guarantee that all locations in the U.S. will be served. Without a COLR for wireless, the wireless carriers will not serve those customers that produce low revenue, or the wireless carriers will have to charge premium rates to serve these customers.

The 2G, 2.5G, and 3G data services can all carry voice calls successfully in their territories. VoIP over wireless can operate without significantly taxing the bandwidth of the wireless data networks. Voice call quality over wireless VoIP may be a problem because of the long latency of wireless, 100ms to 200ms, and the increased packet loss. Latency will be reduced as the wireless carriers move to 4G and LTE technologies. Packet loss will still be a problem. Therefore, it is unlikely that wireless VoIP will soon dominate and cause the legacy wireless voice services to be terminated.

Independent of which method is used for wireless voice communications, wireless voice or VoIP, the wireless carriers depend heavily on the PSTN for interconnection. I asked Mike Finneman, a NoJitter blogger who focuses on wireless technologies and issues, about the use of the PSTN for wireless interconnection. He said, “The wireless carriers depend on the PSTN as much as the VoIP providers do. Their peering connections are virtually all through the PSTN. They don’t talk to each other, much less provide direct trunking—and why would they? Wireless as a carrier of last resort? That’s like buying Tequila shots for the designated driver!”

Mike also pointed out that the power backup for cell sites is for hours, not days. When a cell tower loses power, the carrier can drive a mobile backup generator to that site. But if many sites lose power as in Katrina, the carriers do not have enough backup generators for a large number of power-failed sites. The wireless carrier’s mobile switching center (MSC) does have backup generators, but these may be useless if the towers’ power fails. Will the wireless carriers invest in improving their power backup to match that of the PSTN? Only if required. Think about 911 calls if there is no PSTN and the cell towers lose power.

The Carrier of Last Resort (COLR) Issue

Historically, the U.S. has committed to ensure that all citizens have access to a local wireline telephone exchange for plain old telephone service (POTS). States have helped achieve this commitment by enacting their COLR policies. The policies can be enacted by state legislatures and/or state commissions. The COLR policies impose a financial burden on the incumbent local exchange carriers (ILEC). The result of these COLR policies is the delivery of a network that provides nearly all residents the opportunity to subscribe to a reliable and high-quality wired voice service without any discriminatory terms. The federal and state regulators assigned the COLRs carrier-to-carrier responsibilities that produced a fully interconnected network so that any caller could connect to any other caller.

continued on page 4
As COLRs, AT&T, Verizon, Qwest, Fairpoint, Frontier, and smaller ILECs have to provide the PSTN services in their coverage areas. A COLR is any telecommunications carrier that has to provide service to any party that has the ability to pay. The term is codified in the Federal Communications Act of 1996, 47 U.S.C. 214 (e).

COLRs do not necessarily make a profit when providing telephone network access. This is compensated by allowing a monopoly franchise within the state. The state commission sets the rates so that a reasonable return on investment was achieved for the COLR. The states also have the jurisdiction to allow or prevent a COLR from abandoning the franchise or selling the network investment to another carrier. The rate designs were created to allow large financial contributions to the common costs for certain classes of customer; businesses paid more than residents for the same service. The federal policies, from the Communications Act of 1996, authorized the FCC to pay universal service support to multiple carriers, including non-COLRs. The universal service support was designed to provide additional revenue for the COLR so that it could provide POTS.

If there is no COLR, should there be a Universal Service Fund (USF)? The USF is primarily used to support the COLR where the delivery of voice service is not profitable. The USF is also used to improve Internet access and educational communications. Will there then be a USF charge for wireless and broadband services? Should there be a USF to extend broadband and wireless access? I don’t have a conclusion, but I think the USF question has to be answered in concert with the closure of the PSTN and the change or termination of the COLR policies.

Reprinted from a posting to www.nojitter.com, February 23 edition, by Gary Audin, President of Delphi, Inc., and used here with permission from the author. Reach Gary at delphi-inc@att.net.

Add Names from Your Campus to Your ACUTA Roster

In the past, the number of personnel from each member campus who received full benefits of the institution’s ACUTA membership was limited, based on the enrollment. We are excited to announce that this has been changed! Now school members may name an unlimited number of campus personnel to their membership rosters. All newly named members will receive full benefits of membership enjoyed by all current members, including access to members-only sections of the ACUTA website, subscriptions to the ACUTA Journal, eNews, and Leg/Reg Update Newsletter, and access to the new online ACUTA Community.

Each member school will still have just one primary voting member. This person has the authority to add new individuals to the roster. To add new people, or to see a list of the current named members for your institution, please e-mail Amy Burton at aburton@acuta.org or call 859/278-3338 x240.

NOTE: This policy applies only to schools, not company members. Companies choose their level of participation (Copper, Bronze, Silver, and Gold), which determines the number of named members.

Multi-Event Discount:

All attendees from a college or university will be eligible for discounts based on how many events they attend in 2010. The discounts get better as the number of events you attend increases: 20% discount for the 2nd event, 30% discount for the 3rd event, and a whopping 50% discount on the 4th event!

If you attended the Winter Seminar in New Orleans or the Annual Conference in San Antonio, you are eligible for 20% off your registration for any other event in 2010. The second event registration makes you eligible for 30% off your third event, and if you can make it to all four of ACUTA’s face-to-face educational events in 2010, the fourth one will be half price.

More information can be found online at www.acuta.org. (Note: The multi-event discount is available only to paying institutional attendees. The discounts are only good for 2010 ACUTA events, are provided to individual attendees, and are non-transferrable within the institution.)
ACUTA Resources Are Better Than Ever

Looking for the ACUTA Telecom Listserv? Need access to register for an ACUTA meeting or edit your membership record? Looking for the latest RFI/RFP information or want to browse the resource library?

In March of this year, ACUTA implemented a new website and sign-on system to give ACUTA members a single set of credentials to access all of ACUTA's Internet services. Every member will need to create a new user name and password to access present Web services as well as the Telecom listserv, which is now part of the ACUTA Community.

Creating a New Account

Begin by going to http://www.acuta.org/signup. The website will attempt to look up your current record in the ACUTA database and link it to the proper school or company. If the website cannot locate your information, or if it cannot link you to a proper school or company, you can continue the process by creating a temporary nonmember account, and an ACUTA staff person will contact you to complete the process.

Once you have a working user name and password for the ACUTA single sign-on system, you can access protected resources on the website, register for meetings and seminars, and make changes to your membership record. Most importantly, you will now have access to the new ACUTA Community which serves as an information hub for the previous Telecom Listserv, as well as the ACUTA Resource Library.

Accessing Listserv Discussions

Go to http://community.acuta.org and logon with your new ACUTA user name and password. The ACUTA Community is comprised of Groups focused on various tasks. As an ACUTA member, you automatically have access to a Group called Telecom, but you need to configure how you wish to receive information by clicking on My Groups at the top right of the page. Next, in the column titled Message Delivery, select how you wish to receive information. For example, if you were on the Telecom listserv your previous setting may have been either individual e-mail or daily digest. In the ACUTA Community you have both of these options, in addition to only reading messages from the community website (which is the current default).

Accessing Resource Library

Go to http://community.acuta.org and logon with your new ACUTA user name and password. The ACUTA resource library has been transitioned to the ACUTA Community to help provide a single point of reference when looking for information. The listserv discussions can now go hand in hand with accessing needed files and information related to a topic being discussed. Listserv discussions also help populate the Resource Library by adding needed files for other members to research.

Web Collaboration Space for ACUTA Volunteers

Because the ACUTA Community is based on Groups, additional Groups have been created to facilitate ACUTA Committee work. Go to http://community.acuta.org and logon with your new ACUTA user name and password. Click on My Groups at the top right of the webpage to display the total listing of groups you belong to, which will include any Groups for committees or sub-committees you serve on. Information and documents such as meeting minutes, meeting agenda, and other files of interest will be stored on this web group page.

If you have questions about the listserv, ACUTA Community, or just something in general please contact community@acuta.org.

Hurricane Preparedness Checklist

States along the coasts know only too well that hurricane season is upon us. If you haven’t reviewed your campus emergency plans for 2010, you might want to check out the Hurricane Preparedness Checklist posted on our website under Member Services.

This very useful document was developed by ACUTA and ATIS, the Alliance for Telecommunications Industry Solutions. Access the PDF document directly by going to http://www.acuta.org/hurricane. Click the link to view or save the document.

5 ACUTA eNews: June 2010
In the spring of each year, Student Monitor of Ridgewood, NJ, conducts extensive research into how students are using communications technology on campus. ACUTA eNews is pleased once again to feature selected results of the 2010 survey. We appreciate Student Monitor’s assistance as we strive to provide the most useful and up-to-date information. If you would like to know more about the survey, contact Eric Weil, managing partner at Student Monitor (weil@studentmonitor.com).

The first question we will report on reflects current ownership of cell phones and landlines. You’ll probably see no surprises.

Have a cell phone............... 90%
Have cell phone & landline.... 23%
Have only cell phone ........... 66%
Have a landline............... 26%
Have only landline ............. 2%
Have no phone ................ 8%

The Board met on May 5 via conference call and reviewed and approved the following:

- March 31, 2010 Financial Statements
- Monthly Committee Minutes and Reports
- Committee Appointments
  * ACUTA Ambassadors Task Force: Carmine Piscopo, Providence College, Chair, 2-year term
  * Legislative/Regulatory Affairs Committee: James Shea, Boston Univ., 2-year term
  * Environmental Scanning Committee: Samuel Levy, Univ. of Saint Thomas, Chair, 2-year term
  * Higher Education Advisory Panel: Anne Scrivener Agee, Univ. of Mass., Boston
- Monthly Collaboration Report
- Membership Recruitment Report

The Board approved changes to the Policy and Procedure manual. The President and Executive Director will not serve as ex officio members of subcommittees after the first year.

The Board accepted the Hyatt Regency Baltimore in Baltimore, Maryland, for the Summer Seminar to be held July 17-20, 2011.

Mr. Arthur announced his Board liaison assignments as listed below. He also mentioned the strategic planning sessions that will precede the Summer Seminar in San Francisco.

- Corporate Liaison: Ron Kovac
- Environmental Scanning: Ron Kovac
- Legislative/Regulatory Affairs: Matt Fuoco
- Membership Experience: Riny Ledgerwood
- Program/Content: Mike Palladino
- Publications/Media: Walt Magnussen

Mr. Denbow reported on the March financial statements.

Ms. Semer discussed the RFP that was recently sent to hire a facilitator for the strategic planning session in San Francisco. The bids are due by May 6, 2010. The Board also discussed the recent alert sent to members about the legislation related to cell phones.

Mr. Magnussen reported on his work as a member of a working group for the Communications Security, Reliability and Interoperability Council (CSRIC). After discussion, it was determined that he will provide a monthly written report to the Board regarding the activities of this Council, which will be shared with the Legislative/Regulatory Affairs Committee.

The meeting was adjourned at 11:40 a.m EDT.

Respectfully submitted,
George Denbow
ACUTA Secretary/Treasurer
Info Links

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Frequently, vendors, associations, governmental bodies, and others provide white papers and other informational documents which are announced through a variety of media sources. While some admittedly have a certain slant or opinion, others are quite objective; however, they often contain valuable information. Below are links to selected documents.


Washington Update
Newsletter for ACUTA Members

In our continuing efforts to keep ACUTA members informed of the latest developments in response to the current economic situation, we are providing a link to the newsletter, Washington Update from Dow Lohnes, ACUTA's legal counsel.

Information specific to ICT issues may be found in the “Broadband, Broadcast and Intellectual Property Issues” section. General information on higher education issues is in the section on “Higher Education.” Colleges and universities that are affiliated with health care institutions may also be interested in the information under “Health Care.”

The newsletter is updated approximately four times per month and posted on the ACUTA website. From the homepage at www.acuta.org, click on Legislation and Regulation on the menu bar. The Washington Update is listed under “Broadband Stimulus Package.” Previous copies are also posted for your reference.

Feel free to share this link with others at your institution or company.
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Founded on the principle that security could be made simple, Cloudpath Networks is a privately-held developer of solutions for 802.1X networks. We are uniquely positioned to eliminate the support burden typically associated with secure, 802.1X-based networks.

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Lee Vishliff, President. 604/218-0822 (lee.vishliff@nebulaoptics.com)

Fiber-optic equipment to support multiple-gigabit and 10-gigabit Ethernet or fiber channel connections over fiber. Equipment includes modules (SFP, XFP), multiplexers (CWDM, DWDM), and encrypted media converters for dual or single fiber strands.

TAG Solutions, Albany, NY ........................................................................ www.tagsolutions.com
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Check It Out: Press Releases, Job Postings, RFIs/RFPs and Special Deals

The ACUTA website is a useful tool for communicating with other members, whether you’ve got some exciting news to share, a position to fill, or a project for which you need a vendor. Check the website for the latest postings frequently. Here are items that have been posted since our last eNews.

PRESS RELEASES
• MIR3 Expands Leadership Team with the Addition of Two Vice Presidents
• Messiah College Deploys ADC’s InterReach Fusion System for High-Performance In-Building Cellular Coverage
• ADC’s FlexWave Prism Enables 4G Wireless Services at Michigan State
• Liberty University Deploys a Verizon Digital Certificate Management Solution to Help Protect Confidential Data of Students, Faculty and Staff
• Forsyth Technical College & Trinity Valley Community College Among Latest to Depend on e2Campus
• WYDE Voice Announces New HD Softbridge

NEW JOB POSTINGS
Help your colleagues who are looking for work! Send job postings to jobpost@acuta.org.
• Communications Network Analyst, Principal (Voice Communications Engineer), University of Arizona, Tucson, AZ
• California State University San Marcos, San Marcos, CA
Positions Available: EMS Information Technology Coordinator • Information Technology Consultant • Help Desk Support • Computer Systems Support Specialist • System Administrator
• Senior Applications Programmer, University of California Santa Cruz, Santa Cruz, CA
• Communications Network Specialist III, Western Illinois Univ. at Quad Cities, Moline, IL
• Telecom Billing & Production Support Analyst, Rice University, Houston, TX

RFIs/RFPs
• RFI: Residence Hall Network Services: Southern Oregon University, Ashland, OR
• RFI: CATV Infrastructure Upgrade: Bridgewater State College, Bridgewater, MA

SPECIAL DEALS!
• Summer Promotions from Wyde Voice - Posted: 5/12/10, Expires: 8/31/10
• 50% off a VoIP network readiness assessment for ACUTA members from CSDNET
Visit the website for more Special Deals! (Look under Member Services.)