



ACM SIGITE Newsletter, Vol. 4 No. 2

Notes and Announcements

Note from the Editor	2
Note from the SIGITE 2007 Conference Chairs	2
Note from the ACM Education Council	3
Call for Papers	4

Articles

<i>An Undergraduate Experimental UAV Payload Project to Teach Problem Solving and Project Lifecycle Skills</i> Anne Marchant, George Mason University, and William Marchant, University of California, Berkeley	5
<i>Using Digital Logic Circuit Simulation to Build Demonstrations of IT Concepts</i> Timothy Daryl Stanley, Brigham Young University – Hawaii	10

Editorial Board

Rob Friedman, Editor, New Jersey Institute of Technology
Edward Anthony, Trevecca University
Jeff Brewer, Purdue University
Jim Leone, Rochester Institute of Technology
Jon Preston, Clayton University
Han Reichgelt, Georgia Southern University
Ashraf Saad, Armstrong Atlantic State University
Mark Stockman, University of Cincinnati
Elissa Weeden, Rochester Institute of Technology

ACM Policies Regarding SIG Newsletters

The ACM requires the following Notice to Contributing Authors to ACM SIG Newsletters: By submitting your article for distribution in this Special Interest Group publication, you hereby grant to ACM the following non-exclusive, perpetual, worldwide rights:

- to publish in print on condition of acceptance by the editor
- to digitize and post your article in the electronic version of this publication
- to include the article in the ACM Digital Library
- to allow users to copy and distribute the article for noncommercial, educational or
- research purposes

However, as a contributing author, you retain copyright to your article and ACM will make every effort to refer requests for commercial use directly to you. Notice to Past Authors of ACM-Published Articles: ACM intends to create a complete electronic archive of all articles and/or other material previously published by ACM. If you have written a work that has been previously published by ACM in any journal or conference proceedings prior to 1978, or any SIG Newsletter at any time, and you do NOT want this work to appear in the ACM Digital Library, please inform permissions@acm.org, stating the title of the work, the author(s), and where and when published.

Editor's Note, Rob Friedman

We all know the value of publications to our scholarly community, to our students, and to the general public, not to mention our personal career paths. Individual publications can have a direct effect on all these audiences when an article's content addresses the needs of each cohort, but often the best ones serve as a vessel for bringing theory, application and assessment together. In the articles below, Anne Marchant and William Marchant, and Timothy Stanley present very different approaches and content, but achieve the synthesis of theory, application and analysis, providing good suggestions for how to reuse their experiences on your own campus.

The quality of these articles underscores how the SIGITE Newsletter serves its readers as a dissemination vehicle for ideas and experiences. However, as Han Reichgelt wrote in the May SIGITE Bulletin, "There is a feeling that many schools do not give sufficient credence to publications in outlets called 'newsletters' when it comes to promotion and tenure, even though our newsletter is fully peer-reviewed. Moreover, as we are moving ahead with our IT Research Agenda Initiative, it has become clear that there is no single outlet for IT related research, and it might therefore be useful for SIGITE to start publishing a journal in this area." While this will be a topic of conversation at the October conference in Florida, we would appreciate receiving your views on this matter. You can reach us as Robert.Friedman@njit.edu and han@georgiasouthern.edu.

Note from the SIGITE 2007 Conference Chairs, Bob Sweeney and David Feinstein

SUN and SAND and ITE

[SIGITE 2007](#) will be held at the beautiful Hilton Sandestin Beach Golf Resort & Spa from October 18 - 21, 2007 on the beaches of Sandestin, FL. In addition to technical paper sessions and workshops, we have an outstanding speaker for our plenary session: Mike Jones, Chief Operating Officer of Computer Programs and Systems, Inc. (CPSI), headquartered in Mobile, AL. CPSI is a leader in healthcare information systems, serving the needs of the medical community.

Swimming, sunning, or any outdoor activity should be great on the sugar sands of Northwest Florida as the average October temperature is a balmy 80 degrees. To add to the fun, an inaugural SIGITE golf outing is being planned. Bring your friends, bring your spouse and children, or just bring yourself--a fabulous time is waiting for you at SIGITE.



Conference Resort poolside



Conference Resort seaside

Technical Paper Chair, J.J. Ekstrom of BYU-Provo, reports that of the 101 abstracts submitted, 56 were accepted for draft paper review, while approximately 20 were accepted as posters. Authors are reminded that their draft papers and poster submissions are due July 9, and may use the following link to access the paper submission site:

<http://db.grinnell.edu/sigite/sigite2007/Submissions/submissionRegular.asp>

Conference organizers are open to new panel, workshop and birds-of-a-feather suggestions.

Note from the ACM Education Council, Barbara Price

Image of Computing Task Force Request for Input from the IT Community

During 2006, ACM reorganized their education activities, resulting in a streamlined Ed Board and an Education Council of approximately 35 individuals from all levels of academe and industry. The Ed Council met for the first time in June 2006 and formed, among other task forces, one called “Images of Computing,” chaired by Heikki Topi. I am one of the members. In December 2006 the task forces began to formulate plans that have evolved via virtual and telephone conversations.

Images of Computing has several projects underway to attempt to improve the visibility of computing and publicize that there is continued demand for computing professionals and the variety of career paths available to computing graduates.

The task force’s current focus is on updating and improving the Computing Careers website at <http://computingcareers.acm.org/>

We need your help! Please let me know if you have **profiles of computing students or alumni** that you are willing to have linked to the site. The Georgia Southern link has already been added and we are looking for others.

In addition, plans are underway to develop and maintain a **directory of computing departments/programs** and their academic contact people/advisors. The directory would be available from the Computing Careers website,

allowing interested individuals to find and contact programs to consider for further education. As the directory plans evolve we will be asking you to provide information for your programs. We are hoping this will make it easier for high school students to find and apply to computing programs.

Another facet of the website will be enhancements to the “What do computing professionals do” area. The task force has reviewed other sites and like the following link from the British Computing Society.

<http://www.bcs.org/server.php?show=nav.5672>

The Latest Profiles link format has caught our eye. If you know of anyone that might provide a great profile, please send me their name, position, and e-mail address along with a brief blurb on your reason for recommending him/her.

These are just a few of the exciting projects the task force has undertaken. We hope you will contribute to our efforts and watch as the website becomes more animated and “hopefully” attractive to future students of our programs.

E-mail your links, information, and profile suggestions to me and I will make sure they get considered for the site.
baprice@georgiasouthern.edu

Calls For Papers

SIGITE Newsletter: *It's not too early* to consider contributing an article to the next edition of the SIGITE Newsletter, to be published in January 2008. We welcome research articles, case studies, industry and academic observations and literature reviews related to information technology education. Prospective authors should send articles to the editor (friedman@njit.edu) no later than November 30, 2007. Position announcements, notice of professional advancement and other news items relevant to SIGITE members' interests are welcome.