

Newsletter, Fall 2006

Message from the Director

This newsletter is intended to update our industry partners on achievements, activities, coming events, and other items of interest. With this issue, the Center for Advanced Information Management (CAIM) newsletter will be available on our new website (see below) and published as part of the Department of Biomedical Informatics (DBMI) newsletter. Since there is overlap between activities and goals of the two groups, this approach should be beneficial to all. We hope the reader agrees and we invite your comments.

Webpage

A new webpage has been designed and recently installed. With new expanded features and information, we hope it will be more useful and enjoyable to navigate. Please visit it at www.cat.columbia.edu.

Help to Industry

One of the CAIM goals each year is to help our New York State company partners improve financially using Columbia faculty expertise and resources. Each year we tally and report to NYSTAR[®] economic impact resulting from our projects and activities. For the 2005-06 period, we reported \$132 million in total impact. This is a considerable increase from the 2004-05 estimate. We are pleased to have been able to achieve this improvement and to have helped companies who utilize CAIM help.

Outreach

Collaborations with other CATs and state economic development organizations continue to grow. We have received many referrals from the Industrial & Technology Assistance Corporation (ITAC) of New York (Frank Madison, Technology Program Director) for assistance. In 2006, we began working with the Hudson Valley Technology Development Corporation (Tom Philips, Executive Director) to make Columbia CAIM expertise more readily available to upstate companies. Last fall, we lead a team consisting of the Polytechnic University Center for Advanced Technology in Telecommunications and the University of Rochester Center for Electronic Imaging Science to propose to NYSTAR a Technology Transfer Incentive Program project with a small NYC company (Liberty Imaging) as the industry partner. The application was approved with a \$500,000 award. Also, we have two received specialized technology reports from the NYSTAR-sponsored New York State Science and Technology Law Center at Syracuse University. These projects (1) benefited one of our company partners and (2) helped us plan for a spin off company.

Consulting

In 2005, we joined with the DBMI to form Columbia University Biomedical Informatics Consultants - CUBIC - a new entity designed to help industry and institutional clients with specific problems and needs using DBMI personnel. Projects are short-term and focused. The fee schedule is set to encourage access by small companies. Several clients have signed up for, and are benefiting from, CUBIC services.

Events

The annual Technology Forum, normally held in the fall, will change format. Rather than a full day event with broad topical coverage, the new format will focus on one topic. The half-day event will be

scheduled two times per year, and will begin in the morning and end with lunch. The change is in response to suggestions received from follow up surveys from previous Forum attendees and from the CAIM External Advisory Board. The next Tech Forum is scheduled for early 2007. Check with the *Calendar* and *What's New* sections of the new webpage for updates.

People

Yves A. Lussier, MD, formerly Assistant Professor of Biomedical Informatics and CAIM Clinical Director, has accepted a position at the University of Chicago. As of January 2006, Yves is Associate Professor, Director of the Center for Biomedical Informatics, and Associate Director for Informatics at the Cancer Research Center, Section of Genetic Medicine. Yves was a very valuable member of the CAIM Management Team contributing expertise in biomedical research, clinical medicine, and business acumen. We wish him well in the windy city and look forward to his periodic visits to Columbia.

Workforce Training

With CAIM support, the Department of Biomedical Informatics at Columbia developed an *Intensive Course in Biomedical Informatics* designed for industry and clinical workers, and taught by Columbia faculty. Initially taught in May 2005, this 5-day course was well received prompting a second offering in 2006. It will be offered again in May 21-25, 2007. Other short courses are planned for early 2007, for example, on medical imaging. Check the *Calendar* and *What's New* sections of the new webpage.

Internal Grant Program

Awards for industry co-sponsored grant applications for projects starting July 1, 2006 are listed in the table below. As in previous years, proposals were reviewed for technical merit, relevance to the CAIM mission, and potential to generate economic impact to the co-sponsoring company. Applications may be submitted throughout the year pending availability of funds. Companies seeking help with technical problems from Columbia faculty can contact us for advice on applying for cost-shared grants.

2006-07 CAIM-Industry Co-Sponsored Projects*

Project Title	Project Director (Department/College)**	Industry Co-Sponsor
Aetna Intellihealth E-Health Development and Evaluation	David Albert, DDS, MS (CD/CDM)	Aetna Dental
Mobile Medical Monitor	Desmond Jordan, MD (DBMI/P&S)	Verizon, NYPH, Intel
Philips-Columbia Development Program in Medical Imaging: Refinement and Product Integration	Andrew Laine, DSc (DBME/SEAS)	Philips Research USA
VoIP Security	Henning Schulzrinne, PhD (CSD/SEAS)	Verizon
Machine Learning Algorithms and Applications to the Electric Power Grid	David Waltz, PhD (CCLS, SEAS)	Consolidated Edison

* As of July 1, 2006

** Codes: CD - Community Dentistry; CDM - College of Dental Medicine; DBMI - Department of Biomedical Informatics; P&S - [College of] Physicians and Surgeons; DBME - Department of Biomedical Engineering; CSD - Computer Science Department; SEAS - School of Engineering and Applied Science; CCLS - Center for Computational Learning Systems

For more information, call 212.305.2944 or visit www.cat.columbia.edu



†The Center for Advanced Information Management is a NYSTAR-sponsored Center for Advanced Technology