

Saturday March 19, 2005 MIT room 34-101

**MySQL Technical Overview***Hans Zaunere*

MySQL is the 'M' in LAMP, the popular open source application stack that comprises Linux, Apache, MySQL and either of PHP, Python or Perl. This seminar will focus on MySQL under the hood and its unique storage engine architecture. By utilizing a modular design, MySQL server provides solutions that meet different technical requirements such as those typical of high volume web sites, OLAP/OLTP applications or clustering environments. This seminar will also introduce database users to the enterprise features available in MySQL. Attendees will learn how to use MySQL in their environments. Attendees will also learn about the upcoming release of MySQL 5.0.

Who Should Attend ?

This technical overview will in particular benefit system architects and those who are new to MySQL. Software managers, CTOs, programmers and DBAs will also benefit from learning about some advantages of MySQL.

Seminar Topics

- MySQL Company and Open Source Overview
- Basic MySQL Architecture
- Storage Engine Review
- Conclusion

Lecturer

**Hans Zaunere** is a sales engineer and consultant at MySQL, Inc. His role in MySQL, Inc. gives him the opportunity to deliver mission critical management and architectural guidance for Fortune 500 companies. He has established several core development communities such as New York PHP and AMP Technology. He is also on the Board of Advisors for the New York City BSD User Group. Mr. Zaunere leverages technology and open source for businesses worldwide.

**Session Chair:** Jim Byrd [byrd@acm.org](mailto:byrd@acm.org)

**Seminar Book Offers:**MySQL Certification Study Guide

By Paul DuBois, Stefan Hinz, Carsten Pedersen  
 Publisher: SAMS Publishing  
 List: \$49.95 PDS Price: \$35

Saturday April 9, 2005 MIT room E51-345

**Java Gems: Ant, Tapestry & Lucene***Erik Hatcher*

While the Java language is fun, friendly, and easy to learn, to successfully build sophisticated applications, a Java developer needs to keep up with the alternatives available from the open-source landscape. This tutorial focuses on three open-source Java projects, namely, Ant, Tapestry and Lucene. Ant is the de facto Java build tool, automating steps of the development process such as unit testing, documenting, reporting, packaging and deploying. This tutorial covers the basics, tips and tricks, as well as best practices of building a web application. Tapestry is the premiere Java-based web framework. Tapestry facilitates true component-oriented web development. Those who are familiar with the plumbing behind sophisticated web interfaces will be pleased at the speed at which a web application can be produced using this framework. Lucene is a very fast and scalable search engine that can be embedded into an application.

Who Should Attend ?

Developers with some experience in object-oriented programming. Java developers will be right at home. C# or ASP.NET developers will benefit from seeing the best of breed Java solutions. Development managers will benefit from learning the streamlined development possibilities.

Seminar Topics

- Java development best practices
- Ant - build tool
- Tapestry - web framework
- Lucene - search engine

Lecturer

**Erik Hatcher** is an Apache Software Foundation member and committer on several projects including Ant, Tapestry, and Lucene. He co-authored two well-received books on Ant and Lucene. Erik has written articles for several publications, including java.net, JavaPro, and IBM developerWorks. He frequently presents at conferences such as JavaOne, O'Reilly Open Source Convention, Open Source Content Management Conference, the No Fluff, Just Stuff symposiums, and Java User Groups. Erik is a developer at the University of Virginia's Applied Research in Patacriticism department.

**Session Chair:** Lena Lau [lenalau@acm.org](mailto:lenalau@acm.org)

**Seminar Book Offers:**Java Development with Ant

By Erik Hatcher, Steve Loughran  
 Publisher: Manning Publications  
 List: \$44.95 PDS Price: \$30

Lucene in Action

By Otis Gospodnetiæ, Erik Hatcher  
 Publisher: Manning Publications  
 List: \$44.95 PDS Price: \$30

Tapestry in Action

By Howard M. Lewis Ship  
 Publisher: Manning Publications  
 List: \$44.95 PDS Price: \$30

Saturday April 30, 2005 MIT room 34-101

**Model-Oriented Architectures and Frameworks for Swing-based User Interfaces***Dan Jacobs*

Building complex, functional, scalable, user-friendly, and robust user interfaces is a difficult task. The two most important jobs of any user interface are maintaining a high level of confidence from the user, and performing the right work in cooperation with the back-end of the application. Good model-oriented approaches to user-interface design and implementation, in conjunction with good supporting frameworks, help to address both of these concerns by providing consistency and reliability in the interface itself, and coordinated separation of front-end and back-end logic.

Swing is based on a variation of the Model-View-Controller (MVC) design pattern, but the models and controllers in Swing's world are not application models and application controllers. Model-oriented architectures expose another level of MVC in which Swing is used to implement the view, while the application models and controllers are expressed in the language of the application. This presentation explores this higher level and examines practical ways to build world-class user-interfaces using Java and Swing.

Who Should Attend ?

Experienced object-oriented software developers who want to learn how to build better desktop-style user-interfaces with a lot less effort. Familiarity with event-driven user-interface development is useful. Familiarity with Java and Swing, while useful, is not essential.

Seminar Topics

- Object-oriented design patterns for structuring model-oriented user-interface designs
- Tips and tricks to use Swing effectively
- Concrete approaches for implementing form-style editors, tree-based and table-based viewers
- Concrete approaches for data validation at multiple levels

Lecturer

**Dan Jacobs** has an M.S. in Software Engineering and over 20 years of experience as an architect and developer of object-oriented software. Dan started ModelObjects Group in 1995 (originally Tech Tonic Netsystems), as an independent consulting company specializing in providing assistance in all areas of Java architecture and development for the Boston area software community. Dan is also the President of JPlates Inc., which provides commercial software tools for object-oriented development of web applications and code-generation applications. In addition, Dan has served as the chairman of the Boston area ACM WebTech chapter since 1997.

**Session Chair:** Peter Mager [p.mager@computer.org](mailto:p.mager@computer.org)

**General Information****Schedule**

8:30am-9:00am	Registration (continental breakfast)
9:00am-12:15pm	Morning session (break ~ 10:30am)
12:15pm-1:30pm	Lunch (provided on site)
1:30pm-4:30pm	Afternoon session (breakfast ~ 2:30pm)
5:30pm-7:30pm	Opt dinner with speaker (self-pay)

**Registration Fees**

Seminar materials, lunch, and refreshments are included in the \$80 fee. Registrants not current members of the GBC/ACM are charged an additional \$10, and become members of the chapter for a year. This is distinct from ACM membership. Surcharge for on-site registration is \$10. Purchase orders, faxes and e-mail cannot be accepted. Early registration must be made by mail with a check or money order, or on-line with a credit card at:

<http://www.gbcaacm.org/registration>

Payment for on-site registration can only be made by cash or check. Enrollment is limited and on a first-come, first-served basis. To receive confirmation from GBC/ACM, register at least three weeks in advance of the seminar.

**Cancellation & Refund Policy**

Cancellations must be received in writing. The full seminar fee will be refunded if the PDS Registrar receives written notification before the start of the seminar, addressed to:

**GBC/ACM  
 PO Box 465  
 Lexington MA 02420-0005**

Refund requests received after the seminar date will be subject to a \$15 administrative fee. The \$10 membership fee will not be refunded.

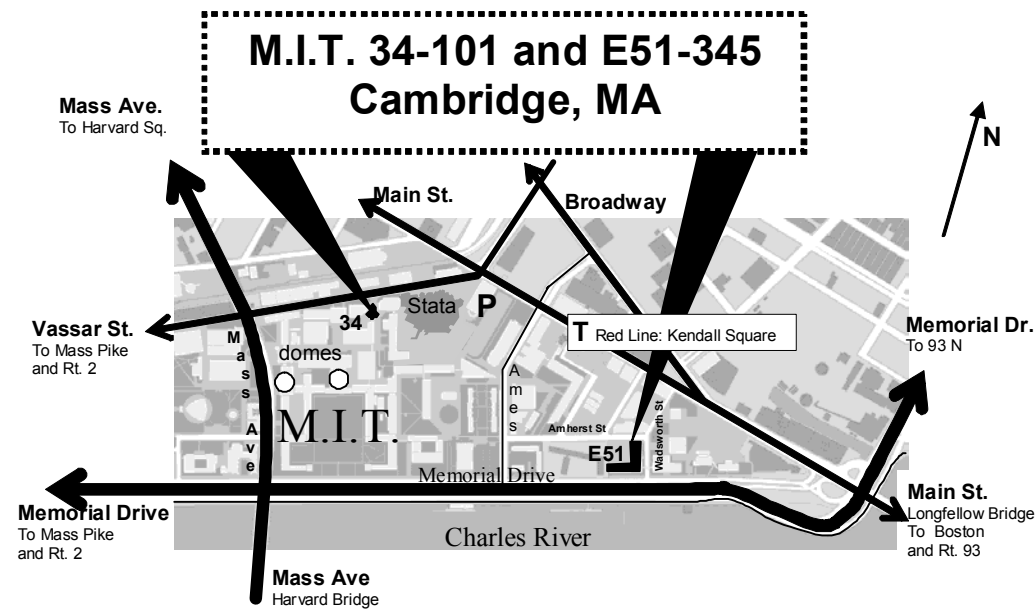
If the books are not available at the time of the seminar, the amount prepaid for the book will be courteously refunded.

**Questions**

For the latest update, see: <http://www.gbcaacm.org> or call:

**(781) 862-1181**

# Directions to MIT



**Building 34** is located on Vassar Street about halfway between Main Street and Massachusetts Ave. It is a small square building turned 45 degrees to the street so it may look like a diamond, especially with a glass atrium entrance. Building 34 is set back a few yards from the street and the line of other buildings. It is between buildings 36 and 38.

**Building E51** is the Tang Center. The street address is 70 Memorial Drive. It is located at the north west corner of Memorial Drive and Wadsworth Street.

**Parking:**

There are metered parking spots on Vassar Street and free parking spots on the north side of Memorial Drive. There is also a commercial parking lot at the intersection of Vassar Street and Mass Ave. There is another commercial garage on Ames Street, behind Legal Seafood. Parking in MIT's lots follows the rules and regulations of MIT.

**Public Transportation:**

**Red line** to Kendall Square. Walk west on Main Street and turn left onto Vassar Street for building 34. Walk east on Main Street and turn right onto Wadsworth Street for building E51.

### Ken Anderson, Co-Developer of JScheme

Ken Anderson, one of the co-developers of JScheme, died on Friday, January 21, 2005. Ken was one of the three main developers of JScheme and a codeveloper of Scigraph.

JScheme had two parent languages — Peter Norvig's SILK and Tim Hickey's Jscheme applet. Ken came onto the project in the beginning (1997) and built the Scheme-Java interface that became the javadot notation. He was responsible for the beautifully designed cache techniques that make javadot so efficient. He also was a tireless developer, chasing down bugs, dreaming up and seriously analyzing proposed new optimizations. He was a talented software engineer who loved building an elegant and simultaneously practical language.

Ken played a major role in the Lightweight Language conferences and was also an active player in the anti-Spam effort. He was a friend of GBC/ACM and one of our backup room/facility hosts. Ken will be missed.

## GBC ACM February Meeting (continued from page 1)

Invited speakers will provide background and status information on these topics. The meeting will include a large portion of open discussion from the floor on technical and nontechnical opportunities for election reform through standards.

The event is free and open to the public. Refreshments provided by IEEE Boston Section.

**PRE-REGISTRATION IS REQUIRED** due to limited capacity. To preregister, send email including name, affiliation, and contact information to: [sec.boston@ieee.org](mailto:sec.boston@ieee.org) or [evote-std-preregistration@messageweb.net](mailto:evote-std-preregistration@messageweb.net). You can also go to the web page to pre-register: <http://www.evote-mass.org>.

For more information, visit: <http://www.ieeeboston.org> (FEB), or contact Alex Brown: [a.brown@ieee.org](mailto:a.brown@ieee.org), (617) 308-9456.

## February Meetings

### Software Quality Group of New England

**Topic:** Latest Industry Data for Application Development and Maintenance


**Speaker:** David Garmus, David Consulting Group

**Date/Time:** Wednesday, February 9, 2005 6:00PM - Networking 6:30 PM - 8:00 PM Meeting & Presentation

**Location:** Sun Microsystems, Burlington, MA

**Details:** <http://www.swquality.com/users/pustaver/bcs.htm>

(February meetings - continued on page 7)

 The Institute of Electrical and Electronic Engineers, Inc. <b>Spring 2005 Continuing Education Program</b> For Detail Course and Registration Information, Visit our Website at <a href="http://ieeeboston.org">http://ieeeboston.org</a> Phone: 781-245-5405 Register Early to get a Discount!		
Advanced Umts Communications Date and Time: Mondays, April 4, 11, 18, 6:30PM - 8:30PM Location: Westin Hotel, Waltham	Agile Object-Oriented Analysis and Design Date and Time: Thursdays, May 5 - 26, 7PM - 9PM Location: Sheraton Hotel, Lexington	How to Build & Maintain a Profitable Consulting Practice Date and Time: Saturday, April 2, 8:30AM - 4:00PM Location: Westin Hotel, Waltham, MA
Implementing Voice over IP Date and Time: Saturday, April 30, 8AM - 5PM Location: EMPIRIX, Bedford	Entrepreneurship-How to Start Your Own Company Date and Time: Saturday, March 12, 9AM - 5PM Location: Westin Hotel, Waltham	Configure and Secure Your Home or Small Business Network Mini-Course Lab Date and Time: Wednesdays, April 13, 20 6:15PM-9:45PM Location: Sheraton Hotel, Lexington
Open Process Frameworks Date and Time: Tuesday, April 12, 8AM - 5PM Location: Radisson Hotel, Woburn, MA	Power Quality in Electrical Systems Date and Time: Tuesday, April 5, 12 & 26, 6PM - 8PM Location: Westin Hotel, Waltham	A Practicle Hands-On Introduction to XML Schemas and its Applications Date and Time: Monday, Tuesday, April 4 - 5 8:30AM-4:30PM Location: Westin Hotel, Waltham
Fundamentals of C++ Date and Time: Tuesdays, May 3-June 7, 6:15PM - 9:45PM Location: Sheraton Hotel, Lexington	Practical Phased-Array Antenna Systems and Adaptive Arrays for Radar and Communication Systems Date and Time: Mondays, Feb 21 - May 2 6:00PM - 9:00PM Location: MITRE Corp., Bedford, MA	Predictable Software Development Part I, II & III Date and Time Part I: Tuesday, April 12, 8:30AM - 12:00Noon Date and Time Part II: Wednesday, April 13 Date and Time Part III: Thursday, April 14 8:30AM-4:30PM Location: Westin Hotel, Waltham
Fundamentals of Java Script Programing Date and Time: Thursdays, March 24 - April 21 6:15PM - 9:45PM Location: Sheraton Hotel, Lexington		

**Real Times Editor**

Rochelle Goren, rochelle\_goren@comcast.net

**GBC/ACM Officers (2004 - 2005)**

**President**

Peter Carmichael, pcarmichael@alum.mit.edu

**Vice President**

Jay Conne, conne@acm.org

**Secretary**

Ed Bristol, e.bristol@comcast.net

**Treasurer**

Yona Carmichael, treasurer@gbcacm.org

**Past President**

Stephanie Collins, jsoco@attglobal.net

**Local Special Interest Group Chairs**

**GB/SIGCHI**

Gabriel Spitz, spitz@aplima.com

**SIGGRAPH/Boston**

Samuel Murphy, samuelmurphy@gmail.com

**GBWEB TECH**

Dan Jacobs, (781) 273-5825, daniel.jacobs@acm.org

**Standing Committee Chairs**

**PDS Committee**

Peter Barzdines, (617) 924-4072 (home), peterbar@world.std.com

**Program Committee**

Peter Mager, p.mager@computer.org

**Interest Group Committee**

Sam Cardman, sc@mbunix.mitre.org

**Acting Membership Chairman**

Kenneth Baclawski, kenb@ccs.neu.edu

**Volunteer Coordinator**

Glenn Hoffman, GlennHoffman@mac.com

**Webmaster**

Michael Ciaraldi, ciaraldi@ciaraldi.com, <http://www.gbcacm.org>

The Real Times is published ten times per year (September through June) and is the official newsletter of the Greater Boston Chapter of the Association for Computing Machinery, First-class postage paid at Boston, MA, 02101.

All rights reserved: ©2004 by the Greater Boston Chapter of the ACM, Copying without fee is permitted, provided that copies are not made or distributed for direct commercial advantage and credit to the source is given, except articles that are noted otherwise. Abstracting with credit is permitted. For copying of articles that are specially noted, contact the Editor at the address below.

Timely notices of events, meetings, and other activities of interest to the Chapter's Membership should be submitted by the 10th of the month Before the intended issue and sent, with attention to the Managing Editor to:

**GBC/ACM, P.O. Box 465, Lexington, MA 02420  
(781) 862-1181**

The Chapter's mailing list is available to related professional organizations or for commercial use. Please contact the Membership Chair at the address above when requesting mailing lists.

Annual subscription cost is included in the Chapter Membership dues of \$10.00. See top line on mailing label for membership expiration date. Library subscriptions are free. Please send orders for copies to the Chapter mailing address above.

**Are you a current member of GBC/ACM?\***

If not, join! The \$10 annual membership fee offers many opportunities for development, through regular and engaging interaction with local contemporaries in addition to access to our popular PDS seminars. Mail in your membership form today!

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City/State/Zip:** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_

Please make checks payable to GBC/ACM and mail to:  
P.O. Box 465  
Lexington, MA 02420

(\*Check your address label for expiration date.)

**Websites of some Local Groups**

**GBC/ACM**

[www.gbcacm.org](http://www.gbcacm.org)

**SIGGRAPH**

[www.siggraph.org/chapters/boston](http://www.siggraph.org/chapters/boston)

**Boston SIGCHI**

[www.gbsigchi.org](http://www.gbsigchi.org)

**WebTech**

[www.acm.org/chapters/webtech](http://www.acm.org/chapters/webtech)

**SPIN**

[www.boston-spin.org](http://www.boston-spin.org)

**IEEE**

[www.ieeeboston.org](http://www.ieeeboston.org)

**IEEE Consultants Network**

[www.ieee-boston.org/consultants.htm](http://www.ieee-boston.org/consultants.htm)

**Boston-area User Group Calendar**

[www.bugc.org](http://www.bugc.org)

**February Meetings (continued from page 3)**

**Boston SPIN**

**Topic:** Agile Management Methodologies **Speaker:** Michael Mah

**Date:** Tuesday, February 15, 6 PM Networking, 7:10 PM Presentation

**Location:** The Mitre Corporation, S Building, Bedford, MA

**Details:** <http://www.boston-spin.org/meeting.html>

**SNHU, IEEE Computer Society NH Chapter, the ACM Boston Chapter and The SWANH**

**Topic:** Enterprise Computing **Speaker:** Lisa Erickson, Harris

**Date/Time:** Tuesday, February 22, 2005 5-6 PM

**Location:** Mara Auditorium, Webster Hall, Southern New Hampshire University, Manchester, NH

**Details:** [http://acadweb.snhu.edu/Isaak\\_James/ITseminars/](http://acadweb.snhu.edu/Isaak_James/ITseminars/).

**IEEE Consultants Network**

**Topic:** Streamlining Embedded Systems Development with Eclipse **Speaker:** Jason Williams & Steve Greffenius

**Date/Time:** Wednesday, February 23, 2005 7 PM

**Location:** Sheraton Lexington Inn, Lexington, MA

**Details:** <http://www.ieee-boston.org/consultants.htm#feb23> **Fee:** \$7.00 at door for non-members

*This meeting is still tentative at the time of this writing - please check the web site for confirmation.*

**Spring 2005 PDS REGISTRATION**

<b>Name:</b>				
<b>Employer:</b>				
<b>Preferred Mailing Address:</b> <input type="checkbox"/> Home <input type="checkbox"/> Work				
<b>City:</b>	<b>State:</b>	<b>Zip:</b>		
<b>Preferred Phone:</b> <input type="checkbox"/> Home <input type="checkbox"/> Work				
<b>e-mail:</b>				
<b>Restrict use of my name to:</b> <input type="radio"/> ACM <input type="radio"/> Prof. Soc. <input type="radio"/> GBC/ACM				
<b>Book Titles</b>	<b>Seminar</b>	<b>Advanced Registration</b>	<b>Walk In</b>	<b>Amount</b>
<b>MySQL Technical Overview</b>		\$80	\$90	
<b>MySQL Certification Study Guide</b>		<del>\$49.95</del>	\$35	
<b>Java Gems: Ant, Tapestry and Lucene</b>		\$80	\$90	
<b>Java Development with Ant</b>		<del>\$44.95</del>	\$30	
<b>Lucene in Action</b>		<del>\$44.95</del>	\$30	
<b>Tapestry in Action</b>		<del>\$44.95</del>	\$30	
<b>Model-Oriented Architectures and Frameworks for Swing-based User Interfaces</b>		\$80	\$90	
<b>GBC ID #</b>	(required)	or \$10		
<b>International ACM #</b>	(If you are a member)	<b>Total</b>		

Please send this completed form and a check payable to **GBC/ACM** to:

**GBC/ACM  
Professional Development Seminars  
P. O. Box 465  
Lexington, MA 02420-0005**

Or register online at: <http://www.gbcacm.org/registration> and pay by credit card.

\*\*\* Calendar of Upcoming Events \*\*\*

Date of Event	Page	Sponsor	Location
February 9	3	SQG of NE	Sun, Burlington, MA
February 12	1	GBC ACM	Radcliffe, Cambridge, MA
February 15	7	Boston-SPIN	Mitre Corporation, Bedford, MA
February 22	7	SNHU	Manchester, NH
February 23	7	IEEE Consultants Network	Lexington, MA
March 19	4	GBC ACM Spring PDS	MIT, Cambridge, MA
April 9	4	GBC ACM Spring PDS	MIT, Cambridge, MA
April 30	5	GBC ACM Spring PDS	MIT, Cambridge, MA

If the top line of your mailing label below reads **\*\*EXPIRED\*\***, please renew your membership (for just \$10/yr). For that \$10 you get a copy of this newsletter/local event calendar mailed to any address you choose plus the right to attend PDS seminars at the member rate. Please consider renewing for more than one year at time. Your support helps make possible the wide array of GBC/ACM activities.

Address Service Requested

**First Class:  
Dated Materials**

(781) 862-1181 - www.gbcaacm.org

GBC/ACM is a non-profit educational and scientific society.

**P.O. Box 465  
Lexington, MA 02420**



**The Greater Boston Chapter of the**

First Class  
Presorted  
U.S. Postage  
**PAID**  
Boston, MA  
Permit Number  
56536



# The Real Times

Vol. 44 No. 6 www.gbcaacm.org February 2005

## GBC/ACM February 2005 Meeting

*New Standards for Elections: A forum on technical and non-technical requirements for voting systems*

**Moderator:** Carol Rose, Executive Director, ACLU of Massachusetts

**Host:** Dr. Rebecca Mercuri, contributing member of the P1583 committee and Radcliffe Institute Fellow.

**Date/Time:** Saturday, February 12, 2005, 1-5 PM

**Location:** Radcliffe Institute for Advanced Study, Harvard University Cronkhite Living Room, Cronkhite Grad Center, 6 Ash St, Cambridge MA

*This meeting is co-sponsored with:*

*Institute of Electrical and Electronic Engineers (IEEE) Boston Section*

*American Civil Liberties Union (ACLU) of Massachusetts*

*Harvard University's Radcliffe Institute for Advanced Study*

The Help America Vote Act (HAVA), enacted by Congress in October 2002, gave the National Institute of Standards and Technology (NIST) a key role in helping to realize nationwide improvements in voting systems. New requirements for the manufacture and testing of electronic voting machines are being developed, as an extension to the prior Federal Elections Commission's recommended Voting System Standards and voting machine certification program. NIST and HAVA are relying on the IEEE, through their Standards Association process, to provide salient guidance and input from voting equipment vendors and independent experts.

Over the past three years, the IEEE Standards Association Voting Systems Standards (SCC38) Project on Voting Equipment (P1583) developed a detailed functional description for precinct-based balloting and ballot counting equipment. This document, IEEE-STD P1583 "Draft Standard for Evaluation of Voting Equipment" <[http://grouper.ieee.org/groups/scc38/1583/p1583\\_-\\_stds.htm](http://grouper.ieee.org/groups/scc38/1583/p1583_-_stds.htm)>, is (at time of writing) approaching its second attempt at approval within the IEEE Standards Association process. Its first circulation resulted in over 1000 comments that have considerably improved the document, but numerous areas of contention and disagreement still exist.

This forum will provide an opportunity for technical and policy experts and interested citizens to discuss the voting system standards effort and some broader issues regarding the national reform of election operations, with members of the P1583 committee and voting equipment vendors.

*(continued on page 3)*