

November Meetings

Software Quality Group of New England (SQGNE)

Topic: Ask the Expert - Everything You Always Wanted to Know About Test Automation ...

Speaker: Brian LeSeur, Star Quality

Date: Wednesday, November 9, 2005 6 PM Networking, 6:30 -8:00 PM Business Meeting & Presentation

Location: Sun Microsystems, Burlington, MA

Details: http://www.squadvice.com/SQGNE_Calendar.htm

Boston SPIN

Topic: Coping with Litigation in IT Project Failures

Speaker: Ed Yourdon

Date: Tuesday, November 15, 2005 6 PM Networking, 7:10 PM Presentation

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

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

Sothern New Hampshire University IT Seminar Series

*Co-sponsored by the Software Association of New Hampshire and the
New Hampshire chapters of the: IEEE Computer Society, and ACM (Association for Computer Machinery)*

Topic: Computer Games: Genre's and Genius

Speaker: Professor Tom Adamson

Date/Time: Tuesday, November 15, 2005 5-6 PM - Networking 6-7 PM

Location: Walker Auditorium, Robert Frost Hall

Details: http://acadweb.snhu.edu/Isaak_James/ITseminars/ITseminars05-06.htm

Boston University Corporate Education Center

Topic: FREE Microsoft SQL Server and Visual Studio 2005 First Look

Free first look seminar on Microsoft's next-generation data management and analysis software. Learn about the new features in SQL Server 2005 and Visual Studio 2005 and how the technologies' shared language base provides you with end-to-end development tools. Discover how BUCEC's Microsoft seminars and certification programs will keep you up-to-date and in demand as a Microsoft professional.

Speaker: Thom Robbins, Developer/Evangelist, Microsoft Corporation

Date: November 16, 2005 6 - 9 PM

Location: Microsoft Corporation 201 Jones Rd., Sixth Floor Waltham MA

Details: <http://www.butrain.com/misc/z100.asp#2028>

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New England Information Security Group (NEISG)

Topic 1: SQL Server 2005

Speaker 1: Burton King

Topic 2: Securing Activer Directory Administration

Speaker 2: ScriptLogic, Inc.

Date: Thursday, November 17, 2005 6:30 PM

Location: Microsoft Office Waltham, MA

Details: <http://www.neisg.org/Meetings/Default.htm>

Boston Section of IEEE Consultants Network

Co hosted with: Boston Windows Server User Group

Topic: Reclaiming Buried Treasure in Your Corporate Backyard: Leveraging Knowlegdge Assets to Increase New Product Success

Speaker: Ken Bruss, Ed.D., HDA Consulting

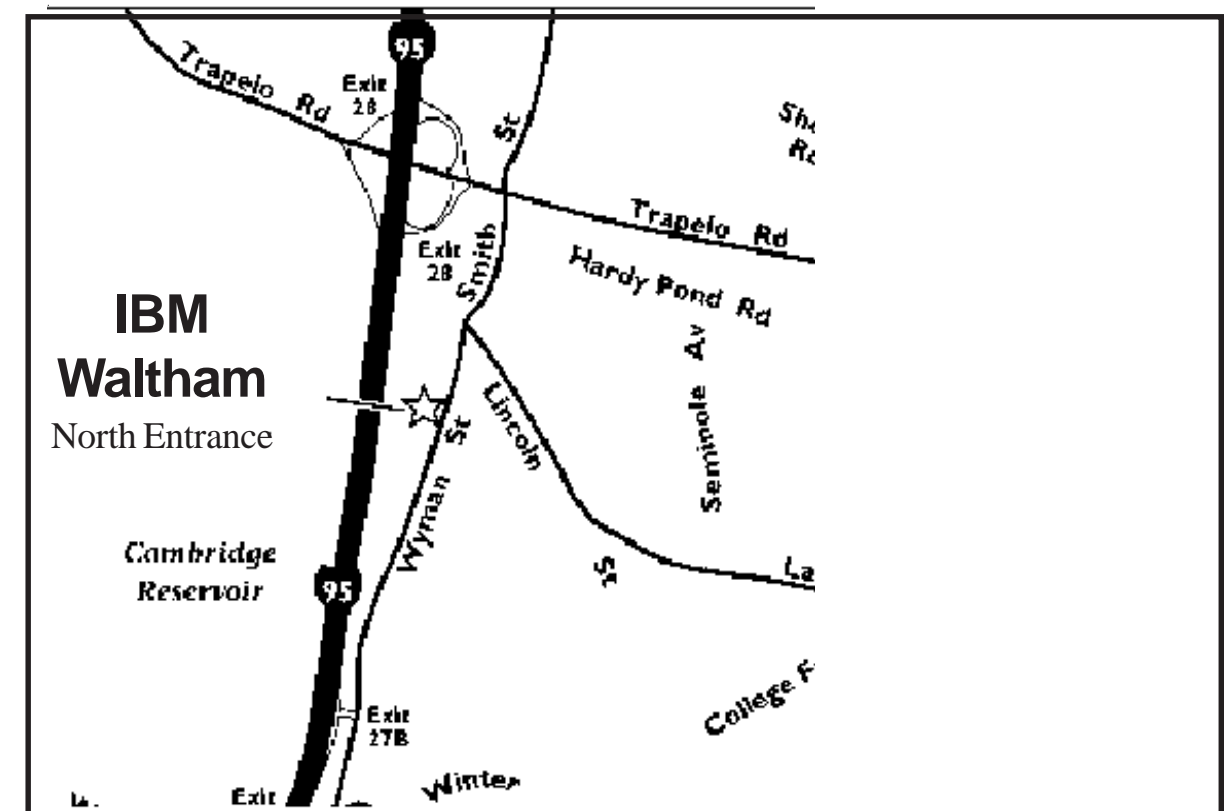
Date: Wednesday, November 30, 2005 7 PM

Location: Sheraton Lexington Inn, Lexington, MA

Details: <http://www.boston-consult.org/calendar.php>

\$7.00 charge at door for non members

Continued from Page 1 - GBC ACM November General Meeting Location



Sudoku

(From Wikipedia Web Site)

Sudoku is a logic-based Japanese placement puzzle. The aim of the puzzle is to enter a numeral from 1 through 9 in each cell of a 9×9 grid made up of 3×3 subgrids (called “regions” or “boxes”), starting with various numerals given in some cells (the “givens” or “clues”). Each row, column and region must contain only one instance of each numeral. Completing a puzzle requires no math knowledge - only patience and logic. Although first published in 1979, *Sudoku* initially became popular in Japan in 1986 and attained international popularity in 2005.

The word *Sudoku* means “numbers singly” in Japanese. (This name is a registered trademark of puzzle publisher Nikoli Co. Ltd in Japan, and other Japanese publishers generally refer to it as “number place”.) The numerals in *Sudoku* puzzles are used for convenience; arithmetic relationships between numerals are absolutely irrelevant. Any set of distinct symbols will do; letters, shapes, or colours may be used without altering the rules. Dell Magazines, the puzzle’s originator, has been using numerals for *Number Place* in its magazines since they first published it over 25 years ago. Numerals are used throughout this article.

Sudoku puzzles are ranked in terms of difficulty. The difficulty of the puzzle depends upon how easy it is to logically determine subsequent numbers. Perhaps surprisingly, the number of givens has little or no bearing on a puzzle’s difficulty. Puzzles with a minimum number of givens can be very easy to solve, and puzzles with more than the average number of givens can still be extremely difficult to solve.

Below is an example of an easy puzzle. Try your luck. The solution will appear in a subsequent issue of the Real Times.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | 3 | | | 7 | | | | |
| 6 | | | 1 | 9 | 5 | | | |
| | 9 | 8 | | | | | 6 | |
| 8 | | | | 6 | | | | 3 |
| 4 | | | 8 | | 3 | | | 1 |
| 7 | | | | 2 | | | | 6 |
| | 6 | | | | | 2 | 8 | |
| | | | 4 | 1 | 9 | | | 5 |
| | | | | 8 | | | 7 | 9 |

December GBC ACM Monthly Meeting - December 1, 2005

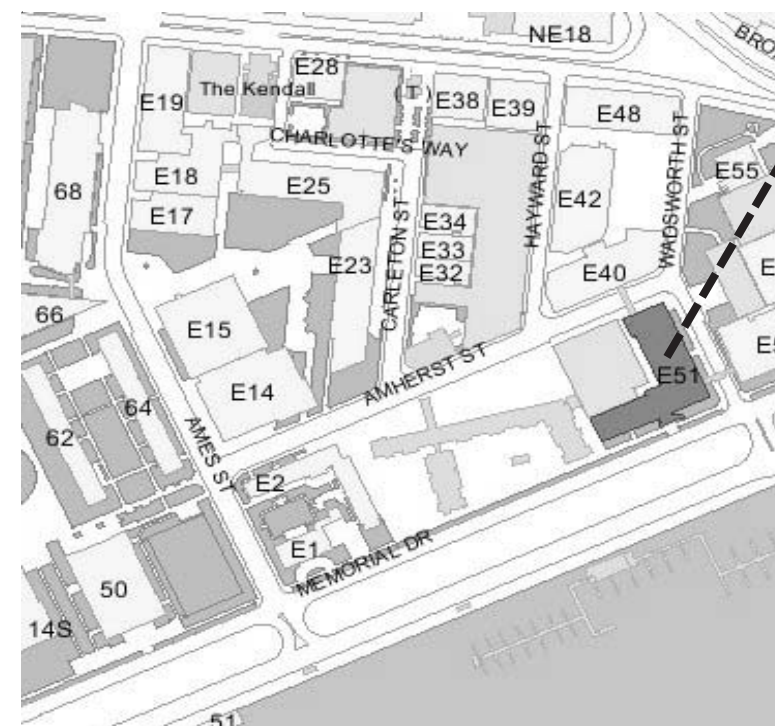
Topic: To Spelunk or Not to Spelunk: Does Immersive Virtual Reality Help?

Speaker : David Laidlaw, Director, Visualization Research Lab, Brown University

Dr. David Laidlaw will present the results of several scientific visualization experiments at Brown to evaluate visualization environments. Together, the results help to explain some of the tradeoffs between large-format 3D virtual-reality displays (e.g., a Cave) and other display formats. All of the results are motivated by our belief that immersive virtual reality has the potential to accelerate the pace of scientific discovery for scientists studying large complicated 3D problems. The results he will present come from the Lab's experiments, which represent a number of different approaches: first, anecdotal reports about scientists using visualization applications; second, performance measurements of non-expert subjects on abstracted tasks; third, evidence about the impact of the virtual environment on performance; and fourth, subjective evaluations by visual design experts. As might be expected when asking which displays performed better, the answer is: it depends on the scientific application, on the tasks used in evaluations, and on the details of the display technologies. Dr. Laidlaw will conclude with some thoughts on how the different evaluation approaches complement each other to give a more complete picture.

David Laidlaw is an Associate Professor of Computer Science at Brown University. His research interests include applications of visualization, modeling, computer graphics, and computer science to other scientific disciplines. He conducts interdisciplinary research into robust and effective tools to solve problems in biology, fluids, medical imaging, archaeology, geology, geography, and other disciplines. Collaborative work with colleagues in these areas guides the research and provides a mechanism for evaluating the usefulness and robustness of results. He received his Ph.D. in Computer Science from the California Institute of Technology in 1995.

GBC ACM December 1, 2005, General Meeting Location - E51-345



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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.

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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:

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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.

Request to send email address

Sometime in the future, we will be switching from a hard to soft copy of the Real Times. In order to send you notification of the Newsletter posting, we need your email address. We are asking the members to send their email address to the following:

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Please include your first and last name, membership identification number (found on the address label) and if you would like to receive email copy/notification of the Real Times once it goes into soft copy.

Reminder to mail in your annual dues

Please check the address label of the Real Times for your membership expiration date. If this date has passed or will be reached within the next few months, please submit your dues. Send a \$10 check payable to GBC/ACM and mail to:

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Please include : Name, Membership ID, Address, Phone Number, Email Address.

Request for volunteers

We are still in need of volunteers for a variety of jobs. If interested in volunteering, please send email to Peter Carmichael, GBC ACM President at

president@gbcacm.org

We need leadership in a number of areas including:
- IS Committee to lead many interested contributors - must be a team leader
- Membership database reorganization, integration, cleanup and reporting
- Assistant Treasurer to help Yona Carmichael
- Registrar roles to support future seminar programs. and much more.



The Institute of Electrical and Electronic Engineers, Inc.

Fall 2005 Continuing Education Program

For complete list of course offerings, details and updated course and registration information,

Visit our Website at <http://ieeeboston.org>; Phone: 781-245-5405

Register Early to get a Discount!

Implementing Voice over IP: Challenges and Future View
 Date and Time: Saturday, Nov. 5, 8AM - 5PM
 Location: EMPIRIX, Bedford

Modern FPGAs -Technology, Tools & Applications
 Date & Time: 7 - 9PM; Thursdays, November 3, 10, 17, December 1, 8 & 15
 Location: TBD (Rt. 128 Waltham - Woburn)

Security Awareness: Practical Elements of Security
 Date & Time: 7 - 9PM, Wednesdays, October 19, 26, November 2, 9, 16, & 30
 Location: TBD (Rt. 128 Waltham - Woburn)

Defining and Managing User Requirements
 Dates & Times: 8AM - 5PM, Monday & Tuesday, November 21 & 22
 Location: Lexington Sheraton Hotel,

21 Ways to Evaluate Requirments Adequacy
 Date & Time: 8AM - 5PM, Thursday, Dec. 1
 Location: Lexington Sheraton Hotel, Lexington, MA

Leading Virtual Teams - Improving Performance across Distance, Diversity and Digital Technologies
 Date & Time: Thursday, 6 - 9PM, Oct. 27, Nov. 10, 17, Dec. 1
 Location: TBD (Rt. 128 Waltham - Woburn)

Radio Frequency Identification: Technology, Applications and Impacts
 DATES:9:00 AM - 12:00 Noon, Saturday, Oct. 22, October 29, November 5, and November 12.
 LOCATION: Merrimack College, North Andover, Room 167, Mendel Hall

Accelerated Delphi-Pascal Fundamentals with computer lab exercises
 Dates & Times: Mondays, 6:15PM - 9:45PM; Oct 24, 31, Nov 7, 14, 21, 28, Dec 5, 12,
 Location: Lexington Sheraton Hotel, Lexington, MA

Pieces of Perl Making Perl Work for You
 Date & Time: 6:30 - 8:30PM, Thursdays, Nov. 10 & 17
 Location:: TBD (Rt. 128 Waltham - Woburn)

Dynamic Web Server-Side Technologies Overview
 Date & Time: Thursdays, 6:15PM - 9:45PM, Nov 3, 10, 17, Dec 1, 8, 15
 Location: Lexington Sheraton Hotel, Lexington, MA

Accelerated Fundamentals of FUNJAVE Programming
 Date & Time: Tuesdays, 6:15PM-9:45PM, Nov 1, 8, 15, 22, 29, December 6, 13,
 Location: Lexington Sheraton Hotel, Lexington, MA

Failure Analysis and Prevention in Electronic Circuits
 Date:8:30AM - 4:30PM, Wednesday, October 26
 Location: TBD (Rt 128 Waltham - Woburn)

Antennas & Propagation for Wireless Communication Systems
 Date & Time: 6:30 - 9PM, Mondays, Oct. 3, 24,31, Nov. 7,21,28, Dec. 5 & 12
 Location: TBD (Rt 128 Waltham - Woburn)

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(*Check your address label for expiration date.)

*** Calendar of November/December 2005 Events ***

| Date | Page | Sponsor | Location |
|--------|------|--|--------------------------------------|
| Nov 9 | 4 | SQGNE | SUN Microsystems Burlington, MA |
| Nov 15 | 4 | Boston SPIN | Mitre Corporation Bedford, MA |
| Nov 15 | 4 | Sothorn NH University | SNHU ,Manchester, NH |
| Nov 17 | 1 | GBC ACM General Meeting | IBM Innovation Center Waltham, MA |
| Nov 17 | 5 | New England Information Security Group | Microsoft Waltham. MA |
| Nov 30 | 5 | IEEE Consultants Network | Sheraton, Lexington, MA |
| Dec 1 | 3 | GBC ACM General Meeting | MIT Room E51-345, 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.

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The Real Times

Vol. 45 No. 3 www.gbcacm.org November 2005

GBC/ACM November 2005 Meeting

Introduction to Virtual Private Networks (VPNs)

Speaker: Edward Leonard, IBM
Date/Time: Thursday, November 17, 2005, 7-9 PM
Location: IBM Innovation Center, Waltham, Ma

This presentation will discuss Virtual Private Network (VPN) technology. The presentation will cover the following areas: historical reasons for the emergence and popularity of VPNs, different types of VPN architectures including examples of each, how they evolved, where they are going, implementation issues, the benefits from using each and an explanation of why different companies choose some of the different VPN technologies. The basics of symmetric and asymmetric encryption, and how they relate to VPN tunnels, will also be introduced.

Biography: Ed Leonard is a Senior Technical Consultant at the IBM Innovation Center (IIC) in Waltham. He manages the IIC's network including its VPN servers, firewall, and router and switch infrastructure. He has been with IBM for 25 years, the last 15 of which have been in the networking and systems management fields. He has spent time in the IBM Northeast Area Systems Center, IBM Global Services and the last 6 years in his current position in the IIC. In his current role, the network infrastructure he manages is used by IBM's Business Partners to enable their applications on IBM hardware and software technologies.

The IBM Innovation Center is located at 404 Wyman Street, Waltham. There is free parking in the garage at the north end of the building. To reach the meeting room, walk out the front of the garage and around to your right to the front door of the building. Directions to the room will be available when you sign in at the front desk.

For MAP: <http://www.developer.ibm.com/isv/spc/waltham.pdf>

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Visit the GBC ACM website for last minute meeting changes: www.gbcacm.org