Worcester County IEEE
Newsletter

Worcester County Section/PACE
Dancing Engineers?
Larry G. Nelson Sr., Section Chairman
Friday, May 8, 7:00 PM to 9:00 PM, Trinity Church, Northboro

An introduction to formal dancing with a professional dance instructor. $15.00 per couple for IEEE members with guest and $25.00 per couple for non members. If you are a member but your partner is not the cost is $15.00 for both of you. We will be having Pizza and drinks available along with chips so the cost includes food. Check inside for details.

Worcester Section
Annual Meeting and Election of Officers
Friday May 15, 1998, Colonial Restaurant, Webster

Our annual Section meeting with election of officers. Dinner at 7 PM with cocktails and Hors D'oeuvres at 6:00 PM. Reservations required by May 4. See inside for details.

Worcester Section - Computer Society
Multitier Application Architecture
Beth Gold-Bernstein, IllumiSys Corp.
Monday, May 18, 1998, 7:00 PM, Pencil Pushers, Burlington

The major concepts of distributed, component based, multitier architecture and the issues application developers will need to be aware of.

Design the 1998-1999 Distinguished Visitor Program Cover
Ric Perron

This message is to announce our *Design the 1998-1999 Distinguished Visitor Program Cover* contest. The deadline for submissions is 1 May 1998.

The IEEE Compute Society is inviting its chapters to compete in a Distinguished Visitor Program (DVP) Cover Design contest. In addition to receiving full credit in the next DVP catalog for the cover design, the winning chapter will also receive an all expense paid DVP visit by a speaker of their choice.

The rules are simple! Multiple covers from the same chapter are permitted. Covers must be submitted by a chapter officer by May 1, 1998 to the

IEEE Computer Society
DVP Services
1730 Massachusetts Ave., NW
Washington, DC 20036-1992

Include with your cover the full name of your chapter and the full name of the cover designer and their IEEE-CS membership number. Please contact Ric Perron, Co-chair of the Worcester County Section of the IEEE Computer Society at

Ric.Perron@Quantum.Com
Perron@ma.ultranet.com
+1-508-770-6371 (work)
+1-508-869-2871 (home)

for submissions. Camera ready or electronic versions of the Computer Society logo are available upon request.

Questions? Contact DVP Services at services.dvp@computer.org or call +1-202-371-1013.

We look forward to your entries.

Boston Section Chairman Passes Away
Larry G. Nelson Sr.

Our thoughts and condolences go out to the friends and family of Ed Lee. Ed was the chairman of the Boston Section of the IEEE. He was very active in the IEEE and worked hard to improve programs and events locally and throughout the Region. He passed away while vacationing in Aruba on Tuesday, March 17th. He will be missed by all.

Dancing Engineers?
Larry G. Nelson Sr

Our Dancing Engineers sessions have been a great success so we are doing it again. Our next session of dancing engineers is scheduled for Friday May 8 at the Trinity Church on Main street in Northboro. We are having an introduction to formal dancing. We have a professional dance instructor, Roxana Dumitriu, that will guide us through some basic dance steps for Waltz and Foxtrot. The cost for this will be $15.00 per couple for IEEE members with guest and $25.00 per couple for non members. If you are a member but your partner is not the cost is $15.00 for both of you. We will be having Pizza and drinks available along with chips so the cost includes food. Wear comfortable shoes and be prepared to have fun. The lesson will last for 2 hours from 7 pm to 9 pm. and Pizza will be there at 6:30. We are considering moving these to the dance studio in Worcester on a Saturday night. If this would be better or worse for you to attend please let me know.

The Trinity Church is located at 23 Main Street in Northbrough, Mass. (in Northbrough, Main Street is also Route 20), one block east from Northbrough Center. Northbrough Center is at the intersections of Main Street, Route 135, and Church Street.

From Northbrough Center, head east for one block and take the first left after the railroad tracks. This left will be between an Exxon gas station on the left and the "Trinity Church" on the right. Take your first right into the parking area of the Trinity Church and enter the church from the back door off the parking lot.

Northboro Center is centrally located:

From the north or Worcester: Take Route 290 to the "Church Street" exit and head south, follow church Street to Northbrough Center. From the east, this is the second set of exits from Route 495 and a left turn at the bottom of the exit ramp. From the west, this is the exit after the Route 140 exits in Shrewsbury and a turn right at the bottom of the exit ramp.

From Marlboro: Follow Route 20 East to Northbrough Center.

From Westbrough: Take Route 9 to the "Route 135 North" exit and follow to Northbrough Center.

From Shrewsbury: Follow Route 20 East to Northbrough Center.

I hope to see many of you there. Registration is not required but I really want to get some idea of how many of you will be attending so we can have sufficient refreshments. I want this to be a great time for all. If you know how to dance please come since there will be something for everyone. This is for anyone at any level of skill, from none to instructor. If you do not have a partner come along and we will try to match you with someone so you too can learn to dance. If you are interested in attending please contact:

Larry G. Nelson Sr.
Chairman
L.Nelson@IEEE.ORG
508-943-1075 phone
508-949-2914 FAX
PO Box 416
Webster MA 01570

Annual Meeting and Election of Officers

The Worcester County Section is having the annual meeting with election of officers on Friday May 15 at the Colonial Restaurant in Webster MA. The Colonial Restaurant is located off exit 1 of Rt. 395. From the Mass Pike, RT 20, RT 12, or RT 290 take 395 South towards CT. Take Exit 1 and at the end of the ramp take a left. About a half mile down on the right is the Colonial Restaurant. Reservations are required for dinner with a cost of $15.00 per adult and $10.00 for students and children. You need to make a choice of one of 4 entrees:

Baked Stuffed Chicken Breast
Baked Scrod with Seafood Stuffing
Broiled Sirloin Filet
Broiled Ham Steak

All entrees are served with Tomato Juice, Salad with French and Creamy Italian dressing, 2 Potatoes and 2 vegetables

served family style, Assorted Rolls with butter, Coffee and Ice cream Sunday for dessert.

Dinner will be at 7 PM with cocktails and Hors D'ouvres at 6:00 PM. Please send your reservations to: Larry G. Nelson Sr., PO Box 416, Webster MA 01570-0416

Make your check payable to Worcester County IEEE. I must have your reservation by May 4 to insure you a place.

Please call, Fax, or Email to be sure you are on our list.508-943-1075 voice, 508-949-2914 fax, L.Nelson @ieee.org for email

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Multitier Application Architecture
Beth Gold-Bernstein, IllumiSys Corp

Emerging application architectures are multitiered featuring thin clients requiring no application installation or support, application servers that manage the business logic, and data sources on various platforms. A key ingredient to make multitier applications adaptable to rapid changes will be a middleware, component-based architecture. A major challenge for application developers will be understanding the pieces of the middleware puzzle in order for their applications to incorporate good business decisions and practices.

At this months meeting, Beth Gold-Bernstein, IllumiSys Corp , will explain the major concepts of distributed, component based, multitier architecture and highlight the issues application developers will need to be aware of. Application architectures of the future will be distributed and integrated. Furthermore, they will be component-based in order to quickly adapt to rapid changes in business and technology. The goal of this architecture is to allow new applications to be easily assembled from prefabricated components. These components may be purchased components or applications, "wrapped" legacy applications, and custom-built ones. They may reside on different technology platforms within and outside the organization. Properly designed, a component-based architecture will easily integrate legacy, current, and emerging technology.

Enabling seamless integration and communication among these components requires an extensive infrastructure or middleware architecture to connect the multitier application. This emerging middle-tier middleware is called various names: transaction server, application server, component server, and business rules server. Regardless of the name, terminology, or technology used in the current vendor solutions, the same set of services is required to deliver the full functional abilities of a distributed component architecture. These abilities include scalability, adaptability, recoverability, and manageability.

For a more detailed overview of the distributed component, middleware architecture visit http://www.dbpd.com/ 9802feat.htm and attend the May meeting.

This meeting of the Worcester Section - Computer Society, held in conjunction with the Delphi Developers Group of Greater Boston, will be held on Monday, May 18th, from 7:00 to 9:00 at Pencil Pushers - Tax Software, 10 New England Executive Park, Burlington, MA. For additional information contact Al Reinhart, DisCom Systems at 508-869-6417 or reinhart@DisCom.com.