

## SCHEDULE

### Monday, April 12

2:30 – 8:30 PM	Registration
4:00 – 8:30 PM	Hands-on Lab Workshops
4:00 – 8:30 PM	In-Depth Seminar
6:00 – 6:30 PM	Light Meal

### Tuesday, April 13

7:30 AM – 5:00 PM	Registration
7:30 AM – 2:45 PM	Vendor Expo
8:30 AM – 5:00 PM	Sessions & Labs
5:00 PM – 6:30 PM	Vendor Expo
5:00 PM – 6:30 PM	Networking Reception & Buffet
6:30 PM – 9:30 PM	Fun Casino Night

### Wednesday, April 14

7:30 AM – 1:00 PM	Registration
7:30 AM – 2:15 PM	Vendor Expo
8:30 AM – 5:00 PM	Sessions

### Tuesday Casino Night

Join us Tuesday evening for a fun and entertaining Casino night with Craig Sutton Entertainment ([www.SuttonEntertainment.com](http://www.SuttonEntertainment.com)). Relax, have fun, network and exchange ideas with your friends, colleagues, speakers and IBM i experts after a long day in class. Prizes will be awarded at the end of the evening.

### Vendor Expo

Be sure to set some time aside to visit the Vendor Expo, which will feature more than 20 companies this year. You can view the list of vendors on our website at [www.neugc.org/viewvendors.cfm](http://www.neugc.org/viewvendors.cfm)

For more information, please visit our website at [WWW.NEUGC.ORG](http://WWW.NEUGC.ORG), call (508) 285-4222, or contact your local user group.

#### NEMUG | Rhode Island

Chip DiFolco  
(781) 815-1360  
[www.nemug.com](http://www.nemug.com)

#### HUMS | Connecticut

Barbara J. Huggins  
(860) 285-3117

#### NES | Massachusetts

Peter Lizio  
(781) 607-3304  
[www.nesysinc.com](http://www.nesysinc.com)

#### NHMUG | New Hampshire

Paul Rogers  
(603) 924-8818, ext. 542  
[www.nhmug.org](http://www.nhmug.org)

#### LISUG | New York

Ari Samson  
(516) 428-9000  
[aris@techsoftinc.com](mailto:aris@techsoftinc.com)

#### MEMUG | Maine

(508) 285-4222  
[info@neugc.org](mailto:info@neugc.org)

#### FASUG | Connecticut

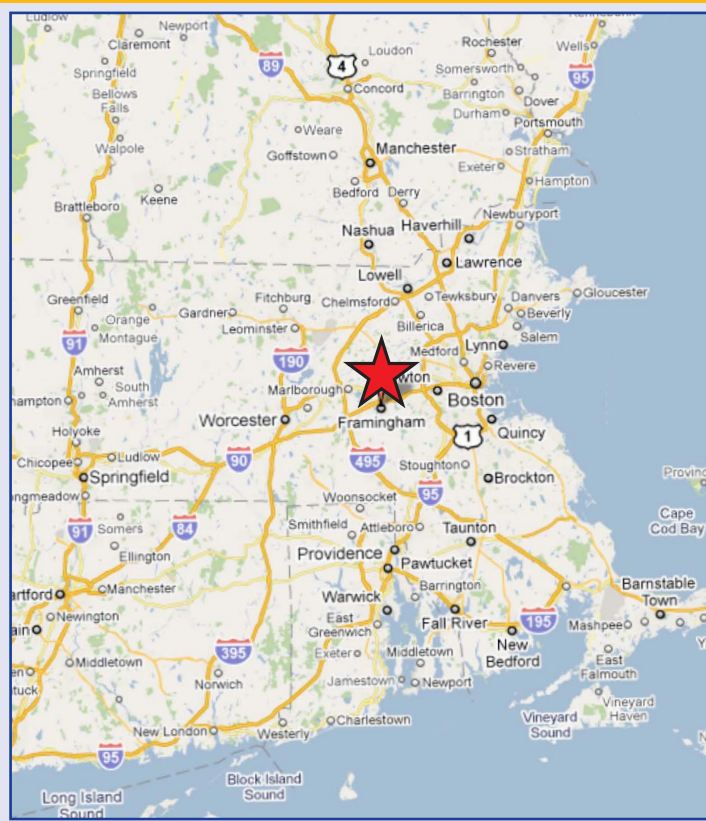
Pete Masiello  
(203) 744-7854  
[www.fasug.org](http://www.fasug.org)

#### VT/NY | Vermont

Jim Townsend  
(802) 373-5110  
[www.vtmug.org](http://www.vtmug.org)

*In tough times, invest in yourself and emerge stronger*

## Conference Location



**April 12 – 14, 2010**

### MONDAY IN-DEPTH SEMINAR

- Seminar: **SQL - Beyond the Basics**

### MONDAY HANDS-ON LABS

- Workshop/Deep Dive Lab: **A Web Services Primer for RPGers**
- Workshop/Deep Dive Lab: **PHP Database Development for iSeries**

### Directions to the Sheraton Framingham:

Massachusetts Turnpike (I-90)  
Get off at Exit 12, Bear LEFT after toll  
Sheraton Framingham is immediately on right

### The Sheraton Framingham

1657 Worcester Road, Framingham, MA 01701  
Phone: (508) 879-7200

**The 20th Annual Northeast  
IBM i User Groups Conference**



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# The 20th Annual Northeast IBM i User Groups Conference

April 12 – 14, 2010

The Sheraton, Framingham, MA

*You and i For  
The New Decade*

- IBM i 7.1 Announcements
- PHP
- DB2
- HMC
- ILE RPG
- XML
- ENCRYPTION
- SQL



*You and i For The New Decade*

April 12 – 14, 2010



- Featuring:
- Over 80 sessions on IBM i (AS/400, iSeries, System i)
  - The best speakers come to Framingham!
  - In-depth labs and workshops
  - The latest IBM announcements
  - Network with your peers and speakers
  - Your best training value for 2010!

# The 20th Annual Northeast IBM i User Groups Conference

April 12 – 14, 2010

*You and i For The New Decade*

**Register Early and Save!**



- Over 80 sessions
- In-depth labs and workshops
- Latest IBM announcements
- Your best training value for 2010

**Three days of quality education  
close to home!**

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



## PRICE INFORMATION

ATTENDANCE OPTIONS	THROUGH MAR 19	AFTER MAR 19
Monday "Hands-on" Lab and 2-Day Conference	\$700.00	\$775.00
Monday Seminar and 2-Day Conference	\$550.00	\$625.00
2-Day Conference (Tuesday/Wednesday)	\$500.00	\$575.00
Monday Seminar Only	\$100.00	\$100.00

Your conference fee includes a light evening meal for Monday seminar and lab attendees, continental breakfast and lunch on Tuesday and Wednesday, Tuesday buffet dinner and refreshment breaks.

Please register online at WWW.NEUGC.ORG. To pay by check, see instructions on the website. Call the hotel directly to make your room reservation. Ask for the NEUGC conference room rate of \$150/\$160 per night (single/double).

Sheraton Framingham Hotel, 1657 Worcester Road, Framingham, MA, (508) 879-7200 • www.sheraton.com/framingham

## 80 SESSIONS IN FIVE SKILLS CATEGORIES

Because NEUGC offers so many sessions and labs, it's easy to get lost in our schedule. To help you get the most out of your days, we've indicated **five** skills categories to keep you on track. Of course, you are welcome to choose sessions from any track at any time based on your interests. For your convenience, we have also highlighted sessions that focus on security. Please visit [www.neugc.org](http://www.neugc.org) for the complete session schedule and this year's selection of well-known industry speakers.

## 1 ► RPG and PROGRAMMING TOOLS

This track is intended for programmers. If you write new software or maintain existing RPG applications, you'll want to know the latest techniques for RPG IV and ILE. In addition, no matter what language you use, you will want hands-on experience with the new Rational Development Tools, successors to WebSphere Development Studio, which make you more productive than SEU and PDM.

- Power Announcements for Application Development and Compilers
- Application Development Tools for IBM i
- RPG Enhancements in V5R4 and Beyond
- RSE/RDi/WDSC Jump Start
- Accessing External Databases from RPG
- RPG Stored Procedures
- RPG Subprocedures Basics
- Embedding SQL into RPG Programs
- The MySQL - DB2 Connection
- Free Your RPG
- ILE Concepts (for the Impatient RPG Programmer)
- Pattern to Good ILE with RPG Parts I and II
- **LAB:** Processing XML from RPG Applications
- Fast, Free Applications for your IBM i

## 2 ► SQL and DATABASE

SQL and the Database track is recommended for developers, system programmers who want to tune their databases, and for people interested in Business Intelligence and ad-hoc reporting tools. Learn the latest techniques for using SQL (Structured Query Language), the modern way to manage your data. Get hands-on experience with DB2 Web Query for i, the IBM replacement for Query/400. With its browser-based GUI, DB2 Web Query provides your end-users with the reports, charts, spreadsheets, and PDFs they need.

- Intro to the MySQL IBMDB2I Storage Engine (new)
- All You Need to Know About SQL
- I Didn't Know You Could Do That Using SQL
- Putting 'Run SQL Scripts' to Work for You
- Introduction to DB2 Web Query
- IBM DB2 Web Query - Advanced Topics
- **LAB:** IBM DB2 Web Query
- Business Intelligence for IBM i

## 3 ► SECURITY

- Payment Card Industry (PCI) Today & Tomorrow
- Encryption on the IBM i - a primer
- Coast-to-Coast Compliance
- Security Challenge: Let's Break In!

Sessions and speakers are subject to change. Please visit [www.neugc.org](http://www.neugc.org) for an up-to-date schedule and speaker list.

## 4 ► SYSTEMS MANAGEMENT

The Systems Management track includes upgrade planning, performance tuning, high availability, Logical Partition (LPAR) considerations, along with sessions on the Hardware Management Console (HMC), the new IBM Systems Director Navigator, and other systems management tools provided with the i operating system.

- IBM 2010 Announcements
- IBM Power Systems Directions
- IBM i V7R1 Technical Overview
- IBM External Storage for i - What's New
- Upgrade Planning for Power7 Systems
- How to Make your System Perform Better
- Understanding HMC, FSP, i and Firmware and optional **LAB**
- What you need to know to do a successful i5 upgrade
- Compare IBM Systems Navigator & Systems Director
- Web Performance Advisor and other IBM i Performance Tools
- IBM Systems Director - Active Energy Manager
- IBM i Performance Data Investigator and optional **LAB**
- Best Practices for IBM i Performance Management
- Introduction to AIX from an IBM i perspective

## 5 ► WEB DEVELOPMENT

The Web Development track helps programmers familiar with RPG and 5250 embrace new web technologies. Learn the basics of HTML, CSS, and JavaScript. Learn the latest on the popular PHP programming language and MySQL database to see how they integrate with your legacy applications.

- Comparison of PHP, Java and CGIDEV2 to Consume RPG Web Service
- RPG Web Programming
- Scripting the OpenSSH, SFTP and SCP utilities on i (new)
- Application Modernization Strategies
- PHP for RPG Developers
- Case Study: Open Source on i: mySql and SugarCRM
- Case Study: PHP on i: VT Gas Account Inquiry
- **LAB:** HTML / CSS for web pages
- Introduction to web development with PHP
- **LAB:** Introduction to JavaScript
- **LAB:** Introduction to PHP

## ► MANAGEMENT/PROFESSIONAL DEVELOPMENT Highlights

- Conflict Management
- Business Analysis
- Project Management
- Business Requirements
- Building Business Relationships
- Negotiating Strategies

## MONDAY SESSIONS

4:00 - 8:30 PM

### Seminar: SQL - Beyond the Basics

*Presenter: Skip Marchesani*

You now have a grasp of SQL basics and are comfortable doing simple things with SELECT, UPDATE, INSERT, and DELETE. But you still find it a challenge when trying to go beyond the basics and attempt more complex SQL statements. If this is your experience, this four-hour seminar is for you.

After a quick review of some SQL basics, you will learn how to use SQL built-in functions for data manipulation and analysis, to derive and name new columns, reformat data, change data types, summarize data, and more. You will also explore basic subselect, and the more advanced forms of subselect; and see how a single SQL statement with subselect can dramatically simplify the logic in an RPG program, including the reference of two or more tables without doing a Join. You will see how to use SQL to work with edit characters in a text string or a number, identify potential duplicate rows in a name and address table, and query a table based on the sound of a search string and instead of its spelling.

After attending this seminar, you will understand how to use:

- SQL built-in functions to do data manipulation and analysis
- Subselect and scalar subselect to write complex SQL statements that reference multiple tables without requiring a table join
- SQL to work with edit characters
- SQL to identify duplicate rows in a table
- SQL to search based on sound and instead of spelling
- Run SQL Scripts' to create, test, experiment with, and save SQL statements

**Skip Marchesani** left IBM's Rochester Development Lab after 30 years to pursue a consulting career and to help found System i Developer and the RPG & DB2 Summit. Skip is recognized as an industry expert on DB2 for i5/OS and author of the book 'DB2/400: The New AS/400 Database'. He specializes in customized education, database design and design reviews, and general consulting.

## Workshop/Deep Dive Lab: A Web Services Primer for RPGers

*Presenters: Jon Paris and Susan Gantner of Partner400 and System i Developer Consortium*

Web services are a hot topic these days and many IBM i shops are planning to utilize them either as a consumer, for example to track UPS shipments, or as a supplier, to provide an alternative interface to existing application functionality. This session will provide a basic introduction to the world of web services and explain how they work as well as try to demystify some of the buzz-words like SOAP, XML and WDSL.

After studying the basics of web services, we will look first at how an existing RPG program can be repurposed as a web service using IBM's Integrated Web Services Server (try saying that five times quickly!). Once we have the mechanics of creating a web service in place, we will then look at how such services can be consumed by an RPG program utilizing Scott Klement's HTTP API and RPG's built-in XML support.

The seminar will conclude with an opportunity for you to get your feet wet and get hands-on experience exploring web services for yourself. We will also provide you with suggestions for further studies, both in the form of other sessions to attend during the remainder of the conference, and various articles and presentations etc. out on the web.

**Jon Paris** is a popular development guru, a frequent forum contributor, author, and speaker at User Groups and technical conferences around the world. He also is a partner at Partner400 and System i Developer (organizers of the RPG & DB2 Summit), holds several speaker excellence awards from COMMON, and is Technical Editor with *IBM Systems Magazine*.

**Susan Gantner** is one of the top speakers, writers, and trainers on System i development topics, is a partner in both Partner400 and System i Developer, holds a number of Speaker Excellence medals from COMMON and is a Technical Editor with *IBM Systems Magazine*.

## Workshop/Deep Dive Lab: PHP Database Development for iSeries

*Presenter: John Valance - JValance Consulting, and instructor for Zend Technologies*

This session will introduce PHP application development from a database developer's perspective. The session introduces basic concepts about web development, PHP language and syntax, and then moves into retrieving and formatting database content from an iSeries using the DB2 functions that are a standard part of PHP. We will then proceed to incrementally build a full-featured database inquiry and maintenance application. This session will include numerous demonstrations and hands-on lab exercises utilizing Zend Studio for Eclipse. A basic familiarity with HTML and SQL is helpful, but not assumed.

This Deep-Dive is intended for iSeries programmers who are considering PHP for web-enablement of existing applications or new web-based projects.

**John Valance** is an independent consultant specializing in application modernization and web development on iSeries. He has worked on the IBM midrange since the 1980s, and has worked with many web development technologies. John has helped many RPG shops get started with web development.

## FEATURED SPEAKERS

- **John Earl** CEO at Patrick Townsend Security Solutions
- **George Farr** Product Manager for IBM i Application Development Tools and Compilers
- **Susan Gantner** Partner400 and System i Developer Consortium
- **Scott Klement** Programmer and editor for System i NEWS and System iNetwork
- **Skip Marchesani** Custom Systems Corp consultant and expert on DB2 UDB for System i
- **Pete Massiello** President, iTech Solutions Group
- **Dawn May** Technical Lead, IBM i Systems Software Development
- **Dennis McCarthy** Information Builders, DB2 Web Query expert
- **Jon Paris** Partner400 and System i Developer Consortium
- **Tracy Smith** Team Leader, IBM Technical Sales Support for the Americas
- **Dave Taylor** IBM Technical Specialist for Storage Systems
- **John Valance** Principal, JValance Consulting

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