



***THE 22ND ANNUAL
NORTHEAST IBM i USER
GROUPS CONFERENCE
APRIL 2 - 4, 2012***

The Power of i

Learn about
DB2/SQL
and RPG!

Explore
PHP for IBMi!

Register
Early & Save!



- **Over 75 sessions**
 - **In-depth workshops**
 - **Latest IBM announcements**
 - **Your best training value for 2012**

Three days of quality education close to home!

www.neugc.org

PRICE INFORMATION

ATTENDANCE OPTIONS	THROUGH MAR 5	AFTER MAR 5
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

No price increase in 5 years; NEUGC is a great value.

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

Register Today! Visit www.neugc.org for more information and to register on line.

Please visit <http://www.starwoodmeeting.com/Book/neugc2012> to reserve your room at the Sheraton.

The 2012 NEUGC Conference room rate is \$150/\$160 (single/double) per night. If you encounter any problems or if you have any questions about your reservation, please contact the Sheraton directly at 508.879.7200 and ask for the Front Desk (do not use the national Sheraton Reservation system). If you continue to have problems, please contact Karen Toney at kaaato@comcast.net for assistance.

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



OVER 75 SESSIONS IN FIVE SKILLS CATEGORIES

Because NEUGC offers so many sessions, 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. Please visit 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. Plus, no matter what language you use, you will want experience with the Rational Development Tools that will make you more productive than SEU and PDM.

- RPG Chart Engine (Pie, Bar, and XY Line Charts)
- Exploit the Power of Open Source Java from RPG
- PhoneGap for RPG Programmers
- Agile and Extreme Programming
- Improve Your RPG Calls with Prototypes
- Bye, Bye, SEU (RD Power)
- RPG Subprocedures Basics
- RPG Subprocedures Beyond the Basics
- Using the RDP DDS Designer
- Introduction to XML and RPG
- Raising the Bar: Using SOAP Web Services in RPG
- From STRSDA and STRRLU to RDP
- From STRDBG to the RDP Debugger
- Latest RPG Enhancements in V6 and V7
- Fast, Free Applications for Your IBM i
- Giving Your Documentation Sex Appeal
- Simplify RPG Applications with Open Access
- RPG IV Does XML—Exploiting V7 RPG's XML Enhancements
- From STRPDM to RDP
- From STRPDM to RDP—the Journey Continues

2 > SQL and DATABASE

The SQL and 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. Learn about 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.

- Exploring IBM OmniFind Text Search
- What's New in DB2 for i
- What's New for IBM DB2 Web Query in 2012
- SQL Stored Procedures and Functions
- Deep Dive: Modernizing Data Access
- Building a Solid Database Foundation Using SQL DDL
- SQL DML and HLL Traditional IO Coexistence
- Advanced Data Centric Programming Concepts
- Accessing SQL Functions using Rational Open Access: RPG Edition
- Enhanced Database Support
- Accessing Non-Relational Data with SQL
- Embedding SQL into RPG Programs: The Basics
- Embedding SQL into RPG Programs: Beyond the Basics
- Tools and Tips to Make Your SQL Sing
- XML Service Toolkit
- Self-Service Business Intelligence
- Mobile Business Intelligence
- Business Analytics

3 > SYSTEMS MANAGEMENT and SECURITY

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

- Latest IBM Announcements
- High Availability and Disaster Recovery Options
- POWER versus X86
- Storage Options: Internal vs. External Disk Storage
- IBM i in the Clouds
- IBM Systems Director in the IBM i Environment
- Manage IBM i from Your Browser using Director Navigator
- What You Need to Know For a Successful IBM i Upgrade
- Get Started with the New Systems Director Navigator Console
- Building Virtual i Partitions Hosted by IBM i
- Understanding HMC, FSP, i, and Firmware
- The State of IBM i Security, 2012
- 7 Habits of Highly Secure Organizations
- Configuring and Using IBM i Auditing Features
- A Primer on IBM i User Profiles and How to Properly Deploy Them

4 > 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. Back by popular demand are special sessions on using Android smart phones to access your IBM i-based applications and data.

- PHP for RPG Programmers - Part 1
- PHP for RPG Programmers - Part 2
- Deep Dive: PHP for IBM i with RPG, DB2, and MySQL
- PHP, HTML and CSS (Beginner)
- Introduction to OO PHP Fundamentals (Beginner)
- Web Services with PHP on IBM i (Intermediate)
- The Ideal Development Environment for PHP and IBM i (Intermediate)
- PHP Toolkit Examples
- PHP and the System Administrator
- OpenRPGUI – The Intro
- SureYouCanHaveTheKeys - Android and RPG
- HTML5 for RPG Programmers
- REST and Web Services
- CSS and Page Design Standards
- JavaScript and Ajax
- XML and JSON
- RPG Droid - Developing Your First Android App

5 > PROFESSIONAL DEVELOPMENT

The Professional Development track includes new sessions to show you how to use Internet-based technologies and social media to be more productive and competitive.

- We're Modern, Aren't We?
- Cloud Computing - the Amazon Example
- Social Networking in the Business World
- Harnessing Creativity and Innovation
- Rowing in the Right Direction
- Maintaining a Competitive Edge

MONDAY SEMINARS

4:00 - 8:30 PM

Workshop: PHP for IBM i with Mike Pavlak

Presenter: Mike Pavlak, Solutions Consultant, Zend Technologies

This is a four-hour Deep Dive where the students bring their own laptop computers and connect to an IBM i LPAR running PHP in the cloud. The workshop includes presentations with corresponding lab sections covering the basics of PHP through RPG program calls and database access using DB2 and MySQL. Students will gain an understanding of how the popular PHP programming language works with IBM i, and will leave the workshop with a trial version of the Zend Studio integrated development environment installed on their PCs.

Mike Pavlak is a Solutions Consultant for Zend Technologies. Mike has been working with IBM midrange solutions since 1992 and IBM mainframes before that. He formerly managed IT development and operations for Tripp Lite. Mike, who lives in suburban Chicago, has been very involved with user groups and COMMON. He has developed applications using RPG, CL and PHP, and he can show you how to extend your RPG skills with PHP and the web.

Seminar: Modernizing Data Access with Dan Cruikshank

Dan Cruikshank, Sr. Consultant DB2 for i Optimization and Reengineering, IBM

Solving business problems using database capabilities is the cornerstone of Data Centric Development. This is accomplished by separating the business logic from the high level application programs through the use of SQL to both define and access data. There is no better way to achieve this than by utilizing IBM's most advanced relational database management system running on Power architecture: DB2 for i.

In this session we will start with an overview of the IBM multi-phased approach to data access modernization. This will include the technique for transparently migrating DDS to DDL using the "measure twice, cut once approach."

We will follow that with techniques for building a virtual data access layer using SQL Views which mask the complexity of the database and allow future changes with minimal impact to production applications. Speaking of applications, we will cover the concepts of utilizing Stored Procedures (SQL and External) to build shared IO modules which are the primary access to the database. Finally, no data centric database can truly be called complete if it is not taking advantage of database constraints. We will conclude with an overview of data integrity constraints such as Primary, Foreign, Unique, and Check.

Dan Cruikshank, Sr. has been an IT Professional since 1972, and he became an IBM employee in 1998. Since 1999 Dan's primary focus has been on DB2 and SQL performance related issues. Besides continued performance analysis, he also teaches the IBM DB2 UDB for IBM i SQL and Query Optimization class held four times a year in Rochester, MN. In between teaching, Dan is involved in a number of projects including database design reviews, SQL tuning, and the migration of DDS generated databases to SQL DDL created databases.

FEATURED SPEAKERS

- **Aaron Bartell** Senior Software Developer for Kregel Technology Inc.
- **Rob Bestgen** Database Software Architect, IBM
- **Dan Cruikshank** Sr. Consultant DB2 for i Optimization and Reengineering, IBM
- **Don Denoncourt** Owner/President at Denoncourt Consulting
- **Cheryl Eaton** Founder, Wild Genius
- **Steve Fier** IBM POWER Platform Leader
- **Susan Gantner** Partner400 and System i Developer Consortium
- **Charles Guarino** President, Central Park Data Systems
- **Pete Massiello** President, iTech Solutions Group
- **Jon Paris** Partner400 and System i Developer Consortium
- **Mike Pavlak** Solutions Consultant, Zend Technologies
- **Robin Tatam** Director of Security Technologies, PowerTech
- **Bill Weimar** Sales Consultant, Information Builders



Sessions and speakers are subject to change. Please visit www.neugc.org for an up-to-date schedule and speaker list.

For more information visit www.neugc.org or call (508) 285-4222

SCHEDULE

Monday, April 2

2:30 – 8:30 PM	Registration
4:00 – 8:30 PM	In-Depth Seminar & Workshop
6:00 – 6:30 PM	Light Meal

Wednesday, April 4

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

Tuesday, April 3

7:30 AM – 5:00 PM	Registration
7:30 AM – 2:45 PM	Vendor Expo
8:30 AM – 5:00 PM	Sessions
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

Tuesday Casino Night

Join us Tuesday evening for a fun and entertaining Casino night with Craig Sutton Entertainment (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 at www.neugc.org

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

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NHMUG | New Hampshire

Paul Rogers
(603) 831-4734
www.nhmug.org

In tough times, invest in yourself and emerge stronger

Conference Location



April 2 - 4, 2012

MONDAY WORKSHOP

- PHP for IBM i

MONDAY IN-DEPTH SEMINAR

- Modernizing Data Access with DB2 for i

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 22nd Annual Northeast
IBM i User Groups Conference*





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The Power of *i*



Register Early and Save!

Why Attend NEUGC?

- **Super Charge** Developer Productivity
- **Enhance** Professional Development
- **Empower** User Data Access
- **Secure** Your System

April 2 - 4, 2012

The Power of *i*

4 Tipping Place, Norton, MA 02766



Featuring:

- Over 75 sessions on IBM i (AS/400, iSeries, Power Systems)
- In-depth seminars and workshops
- The latest IBM announcements
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