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**Bruce Vining**

**Presenting; CL - The Story Continues!**

**December 7, 2010 2:00 - 5:00**  
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I know we're thinking Thanksgiving - save this date and RSVP!
rsvp@quser.org

LOCATION:
Comfort Inn
1321 E 78th Street
Bloomington, MN 55425
952-854-3400

Directions: Take the Portland/12th Avenue exit from 494 going east or the 12th Avenue Exit going west. It is on the south side of 494 just east of 12th Avenue next to the Courtyard by Marriott.

Speaker: Bruce Vining

Vining began his career in 1979 in St. Louis as an IBM systems engineer supporting the IBM System/38* and System/34* platforms. He worked primarily with the programming staffs of large accounts, where his technical skills were quickly recognized and he was designated the System/38 regional specialist supporting companies throughout the Midwest. In 1985, he transferred to the Rochester, Minn., development lab where he was involved in the initial task force evaluating the feasibility of what would become the AS/400* and System i platforms. In 1992, he joined the AS/400 System Design Control Group (DCG) where he was responsible for the design and implementation of system APIs and exit points. Over the years, his DCG responsibilities grew to also include globalization, software serviceability and general programming interfaces.

Vining was the primary technical interface for IBM Business Partners and ISVs requiring information on system APIs or simply needing a new API, thus earning the moniker, "Mr. API". In this role, he provided behind-the-scenes consulting on many of the modernization tools and techniques that have emerged into the System i marketplace. Additionally, Vining was the lead designer for several modernization efforts within i5/OS* and was also responsible for Unicode support within i5/OS, which provides enhanced multilingual capabilities, and the introduction of time zones.

Vining recently left IBM to establish his own consulting and contract programming company, Bruce Vining Services (www.brucevining.com). Vining is also a prominent voice on several Internet forums, answering questions on API use. With the help of his background in internationalization, he addresses the code-page issues that are becoming an almost daily concern with the increased

adoption of Web services, PC integration and other issues.

Topic: CL - The Story Continues

This session will cover some of the significant enhancements that have been made to Control Language (CL) during the last four releases. Our speaker, Bruce Vining, will cover the use of new data types, multiple file use, programming constructs, structures and based variables, and the use of new compiler options. Be prepared to expand your knowledge and appreciation of this understated programming language!

ANNOUNCEMENTS

Non-members may attend this meeting for \$20.

MEMBERSHIP DUES:

Our membership year is September to August.

- \$60 for an individual membership
- \$300 for a corporate membership.

The QUSER membership form can be found at www.quser.org.

VENDORS:

If you would like to sponsor a meeting, please speak with a QUSER Board member for more information.

COMMON EVENTS:

To register for a COMMON event or obtain a COMMON ID and password, go to <http://www.common.org/eventregistration.html>. If you will be registering for the first time and need to know QUSER's ID, please send an email to info@quser.org and we will provide you with this information. COMMON IDs and passwords are not transferable from one individual to another.

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Email: [membership@quser.org](mailto:membership@quser.org)

<http://www.quser.org>

**Special Notice! Get the QUSER discount - The AS400 School courses**

When members enroll in a class, they need to provide the promotion code "QUSER". That will entitle them to a \$150 discount on any of our 3 or 5 day classes.(Cannot be used in conjunction with other discounts)

**IBM System i (AS/400)  
LIVE Training Workshops**

**RPG IV, i/OS Security,  
System Operations, IBM Query,  
System Administration**

We have some great technical training workshops coming up, and I wanted to make sure that you knew about these. These are not Webcasts. These are Full-Length Multi-Day Hands-on Lab-Style training workshops.

November through January provides a full schedule of Classes, shown below, and available on-line at [www.400school.com/schedule.htm](http://www.400school.com/schedule.htm)

All of these classes are presented **LIVE**, in our Web-Based "**Virtual Classroom for the IBM i**". Students fully participate in the LIVE class lecture, Q&A and Hands-On Lab exercises. It is the next best thing to being right in the classroom, and avoids the heavy cost of travel.

Please review the testimonials of our students below in the section "What our Students are Saying". This really is "**A Great Way to Take a Class**".

**DISCOUNTS are very liberal.** Ask about the details for when you have multiple students, or need multiple classes. We can also present any of these classes LIVE at your offices, where we come to you.

If you have any questions, please call me, or send an email. My contact information is provided below.

I hope you will consider attending these upcoming courses. Thank you very much for your consideration,

**Dan Riehl**

President/Instructor

The 400 School, Inc.

[dan.riehl@400school.com](mailto:dan.riehl@400school.com)

(800) 936-3140

**Click on Class name to view the Course Description, Outline and Pre-Requisites**

**Class  
Duration  
Class Status  
Dates  
Fee**

**[RPG IV Interactive Programming Workshop](#)**

5 Days  
**CONFIRMED**  
Nov 29-Dec 3  
\$2,395

**[System i \(AS/400\) Expanded Security Workshop](#)**

4 Days  
**CONFIRMED**  
Dec 6-9  
\$1,995

**[IBM Query for End Users and IT Staff](#)**

1 Day  
**Scheduled**  
Dec 21  
\$495

**[System i \(AS/400\) Operations Workshop](#)**

3 Days  
**Scheduled**

Jan 10-12  
\$1,595

### [System i \(AS/400\) Administration and Control](#)

5 Days  
**Scheduled**  
Jan 10-14  
\$2,395

[Request a class that is not listed](#)

## Interactive RPG IV Programming

**Nov 29-Dec 3 9:00am-4:00pm Central Time**

This class is for those RPG/400 and RPG IV programmers who need to write and maintain Interactive programs.

This class begins with the basics of System i(AS/400) Interactive programming and progresses through several advanced Interactive programming techniques.

The class assumes that the student has some experience writing RPG/400 or RPG IV programs.

Many advanced topics are presented, including **Subfile Programming, DDS Windows, Cursor management, intelligent messages using Message files and the Program Message queue.**

Students will write numerous RPG IV interactive programs during this class. All program development efforts are monitored by the Instructor to provide individual assistance and private mentoring.

**\$2,395**

[View the Course Outline and Prerequisites](#)

[More Information about the Class](#)

[Register for the Class](#)

## System i (AS/400) Security Workshop

**Due to the popularity of this Workshop, additional Workshops have been added, including Nov 22-24 that will run in the time zone convenient for our European students. That is a 3-Day class.**

**Others are 4-Day Classes.**

Dec 6-9 9:00am- 4:00pm Central Time \$1,995

Nov 22-24 [Paris Time](#) 9:00am - 4:00pm e1,495

[This class is taught LIVE by Security Expert Dan Riehl.](#) The workshop provides a comprehensive treatment of System i (AS/400) security concepts along with practical instruction for implementing those concepts.

Tips will be provided throughout the class on how to audit and detect faulty implementation that could compromise the integrity and availability of the system.

This course is designed for those dealing with system setup and administration, including system administrators, security officers, and IT Auditors. It is also recommended for technical support personnel and those staff members who set standards/policies for Application Development and

**Change Management.**

[View the Course Outline and Prerequisites](#)

[More Information about the Class](#)

[Register for the Class](#)

[Stay Informed on our Upcoming Classes!](#)

[Join our Mailing List](#)

What are our Students Saying about the Virtual Classroom for i

**"Loved the virtual class! Felt like I was sitting in a room with the instructor".**

*A. H. Analyst  
Insurance Industry*

**"Being able to see and speak with the instructor and other students makes it feel more like a classroom."**

*Cheryl J - IT Director  
Mortgage Industry*

**"I especially liked Dan's extensive subject matter expertise."**

*Navpreet J  
Gaming Industry*

**"Outstanding course and instructor!"**

**"The most beneficial System i ... course I have taken...this went beyond the basics."**

*Kim U - Information Technology  
Home Fashion Industry*

**"This is a great way to take a class."**

*Jerry D - EDI Specialist  
Singer Sewing Company*

**"The Labs were GREAT, I had to really think. Most IBM courses just have you go through steps in a manual that doesn't really require you to think."**

*Sandy M - System i Developer  
Pre-Paid Legal Services*

**"Dan made learning easy."**

*Lori O -  
Technical Business Analyst  
Electronics Industry*

## **About The Instructor - Dan Riehl**

Dan Riehl is the President of [The 400 School](#), the industry leader in IBM System i, iSeries and AS/400 technical training. Since 1988 Dan has presented his technical training courses for companies large and small all around the world.

For over 20 years, Dan has been a technical editor and author for [System iNEWS Magazine](#) where he writes articles related to Programming, Security and Systems Administration. He also regularly teaches classes, seminars and webinars on various System i technical topics.

Dan is the Editor and Author of the popular [Systems Management Newsletter](#) that is published twice a month by the System iNetwork (NEWS/400).

Dan is familiar to most System i (AS/400) technicians through his many books, magazine articles and seminar tours.

**Among the award winning Books that Dan has written are:**

**Control Language Programming for the AS/400**

**Control Language Programming for the IBM i**

**AS/400 PowerTools Volume 1**

**AS/400 PowerTools Volume 2**

**Desktop Guide to AS/400 Programmers Tools**

**PowerTips for OS/400 Security**

Dan Riehl

President and Instructor

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