# IUA/CA IDMS Technical Conference
# Preconference Education Offerings

## SQL and Web Connectivity for CA IDMS

This session will cover the relational SQL language and how SQL enables connectivity to CA IDMS™ data from Web, Java and Windows environments. This session is appropriate for all CA IDMS sites and introduces new features that provide expanded access to SQL and Web connectivity technology for all CA IDMS customers. The session agenda covers SQL statements for retrieving and modifying data, SQL lab exercises, CA IDMS SQL extensions, ODBC and JDBC connectivity, and enabling efficient data-driven web applications with this technology.

## Novice DBA Training in 3 Parts

### CA IDMS/DB Database Maintenance

This course is designed to introduce the new Database Administrator (DBA) to database maintenance using CA IDMS/DB. Understanding database maintenance allows the DBA to effectively maintain the integrity of their organization's data.

### Managing the CA IDMS CV

This course is designed to introduce the new Database Administrator (DBA) to Central Version (CV) management so that they will be able to extract the best performance from their CV.

### Managing CA IDMS Security

This course is designed to introduce the new Database Administrator (DBA) to database security so they can ensure the safety of their site's data.

# Applications Development Sessions

### SQL Web Connect for z/OS and z/VSE
Dave Dillon

Introduced in CA IDMS version 18.5, the SQL Web Connect feature allows all CA IDMS/DB customers to take advantage of SQL, ODBC and JDBC connectivity technology that previously was only available to customers who licensed the CA IDMS SQL and CA IDMS Server optional products.  SQL Web Connect provides access for two concurrent users of dynamic SQL via ODBC and JDBC from the Web, Windows, Java and other non-mainframe platforms, as well as the usual CA IDMS tools (e.g. OCF, BCF).   SQL Web Connect is perfect for prototyping, pilot projects, application development and low-volume application usage.  This course provides guidance on the installation and management of the SQL Web Connect feature, for both the z/OS and z/VSE environments.

### Managing XML Data in a CA IDMS Application
Paul McRoberts

We are modernizing our key CA IDMS order entry application by adding XML-based transactions.  This session covers the architecture and processing used for XML input, XML output and SQL-based tables and procedures for data persistence and standardization of common routines.

### Modernizing CA ADS Applications
Kurt McKinney

At our shop, CA ADS modules are taking on a new role as callable business logic in an SQL procedure.  In this session we cover the new architecture for driving and running SQL procedures and how we've reorganized CA ADS code for this usage.

### CA IDMS 19.0 Web Services for Modernization
Greg Beedy and the CA IDMS team

The vision of CA IDMS 19.0 is to improve CA IDMS modernization capabilities through features that enable customers to expand investments in core CA IDMS applications and improve developer productivity using modern skills and industry-standard technology.  This session discusses a CA IDMS 19.0 project to simplify integration of IDMS applications and Web services.

### Debugging ADSO Dialogs: AdsAlive, ADS Trace and OLP
### Gary Cherlet

In this session we will explain how to use ADSALIVE to debug ADS dialogs by stepping through the process of:

• Setting breakpoints
• Running the application, and
• Viewing and modifying data at runtime

We will also see how ADS Trace can shed some light on common run-time problems, this will include using OLP effectively to see the trace output.


### Creative Application Tuning Techniques
### Gary Cherlet

The purpose of this session is to introduce application designers and coders to a wide variety of tools and techniques which can be used to tune poorly performing applications. Using a case study approach, we will examine a number of common design problems, and our solutions. For each solution we will look at implementation techniques, and the effect that the solution had when applied to a live problem situation.

Specific code examples will be reviewed, and the results of the tuning exercise will be presented. This paper will be of particular interest to Analysts and programmers, but there will be much food for thought for DBAs and others who are interested in technical topics. The examples will be of particular interest to any sites who have implemented CA-CAS modules.

# Database Administration Sessions

### CA IDMS SYSGEN Options for Performance
CA Staff

This session discusses the various CA IDMS System Generation parameters that can be adjusted to provide optimum performance. Topics include the System statement, Program/Task/Line statements, as well as operating system considerations.

### Database Procedures and Exits for Security
Terry Schwartz

This presentation lays out the steps needed to write a database exit to encrypt and decrypt CA IDMS data at a field level. Sample code will be provided as well as all the accompanying external updates such as Schema and SYSGEN.

### CA IDMS Versions 18.0+ zIIP Saves You Money
Chris Hoelscher

Using zIIP in CA IDMS Versions 18.0 and 18.5 will save your organization money. Even if you exploit z/IIP in CA IDMS 17.0, versions 18.0 and beyond will save you more money. Significant architectural changes have been made to how CA IDMS utilizes zIIP processors, resulting in an increased percentage of CPU time spent on zIIP. This presentation shows you how, from implementation to measurement.

### Disaster Recovery
Terry Schwartz

The number of disasters events is increasing by the year. This session covers disaster recovery as a practice and then dive into disaster recovery techniques for CA IDMS. An actual CA IDMS case study will be covered as the class example.

### High Availability with CA IDMS
CA Staff

Having your system available at all times has never been more important. CA IDMS offers many capabilities to facilitate high availability and 24X7 processing and new ones frequently added.
Learn about parallel Sysplex features and topics related to database reorganization, dynamic system changes, time changes, statistics and software maintenance.

**Native Web Services in IDMS and CICS**
Terry Schwartz

This session covers the techniques and code involved in writing web services in both CA IDMS and CICS.  The material will cover outgoing and inbound web services using the CA IDMS TCP/IP facility and the CICS SOAP facility. The session also covers XML and Soap basics. Sample code will be provided in this session.

**CA IDMS Visual DBA**
CA Staff

Attend this live demonstration to see how you can use a single, user-friendly interface to manage and monitor all of your CA IDMS™ Central Versions (CVs). Learn how to exploit its GUI capabilities to avoid coding JCL and memorizing syntax. New and veteran DBAs can benefit from the productivity features available in CA IDMS™ Visual DBA.

**CA IDMS Index Tuning**
CA Staff

Attendees will learn the physical characteristics that can be assigned to CA IDMS indexes and how they impact processing efficiency.  They will also become familiar with the CA IDMS utilities that can be used to monitor the health of indexes and those that can be used to tune existing index structures.

**Using CA IDMS System Exits**
CA Staff

This session describes the system exits available in CA IDMS.   Practical uses for the exits are discussed as well as coding conventions.

# General Interest Sessions

### CA IDMS Roadmap and Strategy
Greg Beedy/Sheila Miller

2014 has been busy in the CA IDMS world and this is your opportunity to hear directly about recent activity and what's ahead from CA IDMS product management team. This session covers CA IDMS release status and a discussion of the CA IDMS roadmap including hot areas such as modernization, Web services and Big Data.   We encourage an open exchange of ideas about how CA IDMS can help your organization to meet your business requirements.

### Agile@CA and @CA IDMS
IDMS Scrum Master and Developers

Agile Scrum is the software development methodology that has taken the IT world by storm, because it helps developers deliver what users really need, when they need it.  CA Technologies as a company and the mainframe business in particular, has made a major commitment to Agile.  The CA IDMS team developed CA IDMS 18.5 for both z/OS and z/VSE using Agile, and will be delivering the next release using Agile and the new CA mainframe incremental release policy.

### Meet the CA Staff
Greg Beedy/Dave Ross/John Siraco

"The IUA/CA IDMS Technical conference is being held in the Framingham office which is the main development center for CA IDMS.  This is a great opportunity to meet with the all the staff members including product management, development and sustaining engineering.

### Big Data and Analytics Keynote
Kevin Goulet & Mike Harer

Traditional data management is changing rapidly.  Last year, CA reorganized several product families into the Data and Analytics Business Line to create synergies for CA IDMS and CA's other data management suites, and position CA to introduce Big Data Infrastructure Management solutions.  Since the release of Hadoop 2.0, distributed (Hadoop) big data environments are emerging within many enterprises and they are realizing they need a more efficient way to view, monitor and manage their ever growing and disparate data environments that can include one or more Hadoop distributions and even the mainframe. Big Data is here; let's talk about what it can do for your business.

## CA IDMS 19.0 SQL Enhancements for Modernization
### Greg Beedy and the CA IDMS team

Customers want to modernize their CA IDMS applications to take advantage of modern skill sets and technologies.   The vision of CA IDMS 19.0 is to improve IDMS modernization using open source or 3rd party tools for better flexibility and improved productivity.  This session discusses new CA IDMS SQL features that enable IDMS database access using standard SQL without major limitations.

## Online Community – Context, Collaboration & Content
### Lenn Thompson

Communities bridge the gap between CA Technologies, our customers and our partners.  Community is where customers go to connect, learn, and share with like-minded professionals. Customers, partners and CA experts collaborate by asking questions and discussing CA Products & Solutions.
Attend this session and learn more about our 40+ global communities, which offer you the opportunity to collaborate with tens of thousands of members around the world, as well as exclusive access to product questions and discussions, webcasts, online office hours sessions and product updates. In addition, CA Communities provide you with opportunity to help shape the future of CA products through product polls and ideation.   Find out how CA Communities can help you get the most out of your investments in CA software – today and in the future.

## Ideation: Customer Driven Requirements
### Sheila Miller

The CA Communities Ideation "Ideas" portal allows IUA/EIUA community members to voice product-specific ideas with the ability for all members to promote, demote, and comment on all ideas posted.  As ideas are promoted, their scores increase, allowing CA Technologies to rank which suggestions and requests are considered most important to community members.  Ideas can be enhancements to existing products or entirely new features.  Comments on each idea are also important so a variety of customers can note benefits or concerns of the idea, and note value or additional considerations.