

**Ms. Barbara Lauridsen**

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<http://barbaralauridsen.com>

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**OBJECTIVE**

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Learning Facilitator/Distance Education in Technology

Summary of Qualifications: Information resources consultant and distance learning facilitation with a technical perspective to deploy business strategies, systems service delivery & business process re-engineering initiatives, information engineering, object-oriented methodologies, rapid application development, geo-spatial modelling, data warehousing and decision support tools.

Areas of Expertise:

- \* Model Driven Architectures and Relational Database Design
- \* Data Analysis for conversions, transformations, loading and web enabled designs
- \* Operating Systems: Oracle, DB2, UNIX, GIS ArcInfo
- \* Modeling tools: Designer, Erwin, UML, ETL tools, Standards and methodologies: ISO9000, SEI/CMM, Information Engineering, HL7

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**EXPERIENCE**

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**Core Adjunct Faculty**

*National University, San Diego, CA*

**Mar '08 - Present**

Core Adjunct Faculty, School of Engineering & Technology

Prepare and deliver online learning for degree programs, "Enterprise Data Mgt", "Object Oriented Systems Analysis", "Emerging Technologies" "Database Systems Concept and Data Modelling", "Project Mgt for Technology Projects", mentor for capstone projects. eCollege, Elluminate, ClassLifePro, MS Access, Visio

**Sr Technical Analyst & QA Coordinator**

*Akimeka. LLC, Kihei, HI*

**Jun '03 - Jul '08**

JMAR Project

Technical Analyst for the Joint Medical Assets Repository for a Department of Defence Homeland Defence initiative, integrated information for medical assets. Role was testing data conversion and Web User Interface for a conversion from PL/SQL to Business Objects OLAP interface. Designed Data Warehouse solution for historical records. Coordinated testing of data and web user interface. Access, Oracle, Business Objects, ERWin, Toad

**Information Resources Consultant**

*Taylor-Made Systems, San Diego, CA*

**Sep '01 - Jun '03**

\* HealthLevelSeven HL7 - Developer, V3 Publication database enhancements - Enhanced the MS Access tool for publishing proposed changes to the ANSI standard for new releases of electronic data interchange between healthcare oriented databases of service providers, pharmacies, vendors, subscribers. The standard is based on XML. Restructured the Reference Information Model (RIM) using Visio UML tool supports the internal HL7 working group technical committees.

\* (\*) San Diego Choice Program, Developer, Client Tracking database and on-the-job training for managing case loads. MS Access

**Adjunct Faculty**

*Cuyamaca College, El Cajon, CA*

**Jun '98 - Jun '03**

CIS certificate program "Advanced Databases using SQL & PL/SQL" Oracle 9i, "Databases using MS Access and SQL Server", Microsoft MS Office

**Data Modeler**

*n-Link Corp, Bellevue, WA*

**Jul '00 - Dec '01**

\* U.S. Forest Service NRIS project - data modeling, data migration strategy for an integrated Natural Resources Information System, data collection and co-existence planning, development of Access GUI interface over Oracle 8i tables for maintenance and presentation. Subject area includes Air Quality measurements, demographic surveys, wild life observations, scientific classification of species. This provided exchange of electronic data between federal and state agencies for land use, habitats, financial operations and budgets. Devised the method, transformed raw data and then testing the accuracy of results from mass loading of 10 years of measurements captured using fixed equipment and for loading the test results from laboratories. Designer 2.1, SQL Server, Oracle 8i UNIX

### **Senior Consultant**

*Oracle Consulting - Government Services, Data Warehouse Technologies,  
Redmond, CA*

**Oct '96 - Jul '00**

\* Verizon - Database Architect/Design, Re-Engineered Oracle Financial Application tables into a relational design in order to migrate year end data from a static historical repository to a dynamic Operational Data Store as a staging area for loading a star schema Data Mart. Analyzed content and structure of 8,175 tables for relevance to an IRS mandate to retain corporate financial records. Assisted in strategic architecture for data loading 100% accuracy could be achieved for data loading.

\* U.S. Forest Service - data modeling, database design and data loading strategy for an integrated Natural Resources Information System, an online transaction processing database with a distributed architecture into each national forest for data collection and interfacing with GIS ArchInfo. Subject areas include watershed improvement, water rights, aquatic inventory, and scientific classification of aquatic species.

\* Naval Aviation Depot - repository management, metadata standards, data modeling for a series of Data Marts based on requirements to capture daily transaction activity into a historical Operational Data Store about labor and material obligations and expenditures, a data warehouse with a browser interface. Trained internal staff in Oracle method, relational thinking and use of Oracle Designer. Re-engineered the DIFMS Financial Management database into designer and designed a financial data mart. Re-engineered a DDS for tracking training programs and OSHA safety compliance.

\* U.S. Department of Education - data warehouse requirements study / affinity analysis for a strategic framework based on business queries, set the stage for a web enabled environment for distribution and exchange of electronic information between the department institutions and the general public based on demographic factors. Modeled and Planned for a proof-of-concept data mart.

\* Hughes Aircraft - acceptance test criteria for a data mart for cycle time for supplier performance.

### **Information Resources Management Consultant**

*Taylor-Made Systems, Santa Clara, CA*

**Jan '88 - Oct '96**

\* AMDAHL - Enterprise Data Warehouse Architecture.

\* Microsoft, ITG - MS Retail Software Licensing, functional specifications leading to ISO 9000 certification.

\* Alberta Labour - Alberta Boilers Safety Association - Business Modeling

\* Kellogg Cereals - Team Leader, North American Order Management Initiative

\* Alberta Dept of Transportation & Utilities - Modeled business area requirements.

\* Canadian Utilities Ltd, Information Engineering Methodologist - Data modeler for an integrated national customer information system. DB2

\* Alberta Gov't Telephones - Facilitator for Total Quality Process Improvement

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## EDUCATION

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### **Doctor of Philosophy** (Information Technology Education)

*Capella University, Online, MN*

**Dec '11**

PhD in IT Education, completed all coursework in Summer 2010. Specialty is distance learning of information technology to adults. Dissertation research plan is focused on virtual learning teams achieving peak performance.

### **Master of Business Administration** (Masters in Business Administration, Technology Management)

*University of Phoenix, Phoenix (online), AZ*

**Aug '06**

Speciality in Technology Management

### **Industry Education & Training** (Technology Skills)

*Onthejob Training, Various, CA*

**Dec '07**

Business Objects Universe Design and Query Design, '07

....lots of reading & audio learning, re-engineering, TQM, teams....

Cuyamaca College - UNIX/Linux Shell, WebServerMgt IIS, Java, Mach Statistics, Access, SQL Server

Portland Access Users Group Conference, .NET, COM, VBA, VB

San Diego Community College - XML, .NET, Linux, Security, TCP/IP, Perl, PHP, VB, C, C++ '01-'03  
HealthLevelSeven(HL7) WorkingGroupMeeting, SanDiego, focus on V3 dvlp, V2 Impl'n projects  
ESRI International User Conference, Geographical Information Systems technical architectures '01  
MS Access 2000, Fall 2000, Powermart training, Informatica, '00  
Advanced DW Design, Ralph Kimball, Data Warehouse Institute, '99  
Introduction to PL/SQL, Best Practices PL SQL, '98  
Project Management Institute Conference '98  
Oracle Development Tools Users' Group '98  
Business Rules & Database Design Summit, '96 & '97  
Model Driven Artchitectures, Common Warehouse Metamodel  
CIPS Conference, Web Commerce, Architectures, Trends for Financial Databases, Edmonton  
Legacy, Objects, Warehouse, SEI CMM maturity model, ISO9000-3  
International Function Point Users Group (IFPUG) working committee for ISO9000 / CMM comparison  
PowerBuilder, Tool Sets using Objects Approach, Open Solutions  
CIPS Conference Client/Server, Quality, Business Process Re-engineering, ISO9000  
SAA CUA Compliance, GUI standards, IBM Canada

**Industry Training** (Technology, Databases, Applications)

*Oracle Education, Redmond, CA*

**Oct '00**

Enterprise DBA Part1A: Architecture & Administration, '00  
Global Data Warehouse Wizard's Conference '98 & '99  
PL/SQL, Advanced SQL, & PL/SQL '98  
Designer 2000 - Design & Build Database Objects '97  
Developer 2000 - Foundations & Forms 4.5 '97  
CASE Method and Tools (On-line Tutorial), '94  
Enterprise Management Tool, '96

**Standard Elementary Teaching Credential** (Education)

*California State University, Los Angeles, CA*

**Bachelor of Arts** (Humanities)

*Occidental College, Los Angeles, CA*

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ACADEMIC CONFERENCE PRESENTATIONS

TCC Online Conferences: April, 2010 & 2009

- \* Yesterday, Today & Tomorrow: Communication, Collaboration, Communities, Mobility and Best Choices - "Effectiveness of Interaction in Learner Centered Paradigm in Online Education"
- \* The New Internet: Collaborative Learning, Social Networking, Technology Tools, and Best Practices - "Virtual Teams in a Synchronized Visual Learning Environment"
- \* National University, School of Engineering & Technology - "Rapid Prototyping", '08
- \* Canadian Information Processing Society - Certification as Information Systems Professional (I.S.P), Facilitator, CIPS Data Management Special Interest Group
- \* University of California, Irvine, Seminar Leader, Certificate in Human Resources

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REFERENCES

**Dr John Bugado**, Lead Faculty  
National University  
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