Information Integration among Heterogeneous and Autonomous Applications

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List of Abbreviations

ADO: ActiveX Data Object
API: Application Programming Interface
BLOB: Binary Large Object
CDM: Common Data Model
CGI: Common Gateway Interface
COMCOL: Communication and Collaboration Layer
CORBA: Common Object Request Broker Architecture
DBA: Database Administrator
DBT: Data Browsing Tool
DC: Dublin Core
DCMI: Dublin Core Meta-data Initiative
DIMS: Distributed Information Management System
DLL: Dynamic Link Library
DTD: Data Type Definition
EC: Electronic Commerce
ER: Entity Relationship
EXP: Export Schema
FL: Federated Layer
FDBMS: Federated Database Management System
FRS: Federated Resources Specifications
FQP: Federated Query Processing
GF12S: Generic and Flexile Information Integration System
IDL: Interface Definition Language
IIS: Internet Information Server
IMP: Import Schema
INT: Integrated Schema
IPR: Intellectual Property Rights
JDBC: Java DataBase Connectivity
**LIST OF ABBREVIATIONS**

**LAL:** Local Adaptation Layer  
**LAN:** Local Area Network  
**LOC:** Local Schema  
**LRS:** Local Resources Specifications  
**MACS:** Material Analysis for Complex Surfaces  
**NFL:** Node Federation Layer  
**ODBC:** Open Database Connectivity  
**ODBMS:** Object Database Management Systems  
**ODL:** Object Definition Language  
**ODMG:** Object Database Management Group  
**OIF:** Object Interchange Format  
**OLAP:** On Line Analysis Processing  
**OLE-DB:** Object Linking and Embedding for Databases  
**OMT:** Object Modeling Technique  
**OQL:** Object Query Language  
**ORDBMS:** Object-Relational Database Management Systems  
**RDBMS:** Relational Database Management Systems  
**RMI:** Remote Method Invocation  
**SDDL:** Schema Definition and Derivation Language  
**SMT:** Schema Manipulation Tool  
**SQL:** Structured Query Language  
**SQL/CLI:** SQL Call-Level Interface  
**SQL/PSM:** SQL Persistent, Stored Modules  
**STEP:** Standard for the Exchange of Product Model Data  
**UML:** Unified Modeling Language  
**UDBA:** Universal Database Access Interface  
**VIMCO:** Virtual-laboratory Information Management for COoperation  
**ViSE:** Virtual Simulation and Exploration  
**VL:** Virtual Laboratory  
**VLAM-G:** Grid-based Virtual Laboratory Amsterdam  
**VL-e:** Virtual Laboratory for Experimental Science  
**XML:** eXtensible Markup Language  
**WAN:** Wide Area Network