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 Propriety Rights
JDBC: Java DataBase Connectivity
**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