

Information Reading

Richard Veryard, August 2001

This document contains some recommendations and suggestions for further reading on information, modelling, and related topics.

General

John Carlis & Joseph Maguire, **Mastering Data Modeling**, Addison-Wesley, 2001. *An excellent introductory guide to data modelling. Joseph Maguire's website is at <http://www.logicaldatastructures.com>.*

Bill Kent, **Data and Reality**. *Out of print.*

Richard Veryard, **Pragmatic Data Analysis**, Blackwell Scientific Publications, 1984. Richard Veryard, **Information Modelling: Practical Guidance**. Prentice-Hall, 1992. Richard Veryard, **Information Coordination: The Management of Information Models, Systems and Organizations**. Prentice-Hall, 1994. *All of these books are now out of print.*

Components

CBDi Forum. <http://www.cbdiforum.com/>

John Cheesman & John Daniels, **UML Components: A simple process for specifying component-based software**. Addison-Wesley, 2001.

Desmond D'Souza & Alan Cameron Wills. **Object, Components and Frameworks with UML: The Catalysis Approach**. Addison-Wesley, 1999.

Richard Veryard, **Component-Based Business**, Springer, 2001. *Applies component thinking to the world of business. See also <http://www.component-based-business.com/>*

Database

Chris Date, **An Introduction to Database Systems**. 7th edition, Addison-Wesley, 2000.

Bernard Thalheim, **Entity-Relationship Modeling: Foundations of Database Technology**. Springer, 2000. *A thorough treatment of the subject from a traditional database perspective, written for specialists like himself. Contains some good material, but there is too much technical detail, and not enough explanation, to be accessible to the non-specialist.*

Interface Design

David Benyon, Thomas Green & Diane Bental, **Conceptual Modelling for User Interface Development**. Springer, 1999.

Metadata

Robert S. Seiner, "Questions Metadata can Answer". The Data Administration Newsletter. <http://www.tdan.com>. Also available from CA's website: <http://www.ca.com/erwin>

Notations and Standards

BizTalk <http://www.BizTalk.org>

ebXML <http://www.ebXML.org>

Ben Ettlinger, IDEF1X VS UML: A Comparative Analysis. in ERwin Insider, 1999. Available from CA's website: <http://www.ca.com/erwin>

Rational Software. Conceptual, Logical, and Physical Design of Persistent Data using UML White Paper, 2001. <http://www.rational.com>

Rational Software. Mapping Object to Data Models with the UML. White Paper TP-185, 2000. <http://www.rational.com>

Several important frameworks and standards, including MDA and UML, are maintained by the OMG. <http://www.omg.org>

Ontology

Ontology.Org. <http://www.ontology.org>

Z Cui, V A M Tamma and F Bellifemine , "Ontology management in enterprises". BT Technical Journal, Vol 17 No 4 October 1999. <http://www.bt.com/bttj/>

Patterns

Martin Fowler, **Analysis Patterns**. Addison-Wesley, 1997.

David Hay, **Data Model Patterns: Conventions of Thought**. Dorset House, 1995.

Michael Jackson, **Problem Frames**. Addison-Wesley, 2001.

Len Silverston, **The Data Model Resource Book**. First published 1997 in one volume. Revised edition now in two volumes, with CD-ROM. John Wiley, 2001.

Philosophy

Albert Borgmann, **Holding on to Reality**. Chicago University Press, 1999.

Jacques Derrida, **On the Name**. Various translators, Stanford University Press, 1995.

Gottlob Frege, **Translations from the Philosophical Writings**, ed Peter Geach & Max Black. Basil Blackwell, 1952.

Mark Poster, **The Mode of Information**. Polity Press, 1990.

W.V.O. Quine, **Word and Object**. MIT Press, 1960.

Warehousing

Bill Inmon, Successful Data Warehousing: 10 Critical Success Factors.
<http://www.billinmon.com>. *Bill Inmon is usually regarded as the father of data warehousing, and has written the standard texts on the subject.*

Chris Todman, **Designing a Data Warehouse: Supporting Customer Relationship Management**, Prentice Hall, 2001. A useful introduction to CRM and data warehousing.