

DAMA 2005 - Workshop Program Summary

Workshop 1 Everything you Wanted to Know about Data Modelling but were Afraid to Ask

Presenters : Graeme Simsion, Senior Fellow, University of Melbourne
Graham Witt, Group Data Architect, Commonwealth Bank of Australia

This tutorial covers the art, science and craft of data modelling from top to bottom and start to finish.

Novice participants will take away an understanding of what is involved and experienced participants will have a chance to get answers to the tricky questions that have arisen during their data modelling assignments (come prepared with your questions).

Topics Covered include:

- Testing the Foundations
- Demonstrating the Value of Data Modelling
- Evaluating and Comparing Data Models
- Advanced Normalisation (BCNF/4th/5th/6th)
- Modelling the Time Dimension
- Modelling for Data Warehouses and Marts
- Organizing the Data Modelling Project
- Determining, Documenting and Modelling Business Requirements
- Clarifying responsibilities - Modeller and DBA
- Getting the Model Reviewed - The Assertions Approach
- Ask the Experts (2 man panel!)

About the Presenters

Graeme Simsion is a regular presenter at DAMA conferences and was last the conference's keynote speaker.

In 1999, he sold the consultancy which he had run for some twenty years, and is now a Senior Fellow at the University of Melbourne.

He is the author of the book Data Modeling Essentials, as well as numerous papers covering a wide range of information systems topics.

For more information about Graeme please review <http://www.simsion.com.au>.

In Graham Witt's 30+ years of industry experience, he has developed specialist expertise in system specification, user interface design, data modelling, relational database design, data quality, the use of metadata repositories and CASE tools, and information management.

As well as completing a number of successful projects in these disciplines for major clients in such industry sectors as education, health, finance, transport, logistics and utilities, he has a reputation as an effective educator in these disciplines, and has published in the information management press.

He is the co-author, with Graeme Simsion, of the second and third editions of the seminal text "Data Modelling Essentials".

Workshop 2 Semantic Data Integration

Presenter : Michael Scofield, Assistant Professor, Information Management at Loma Linda University

With greater frequency, data analysts are asked to integrate data from sources which are logically and architecturally incompatible.

Semantic data integration is much more than platforms; it is pulling data from diverse sources together so it makes sense in its meaning.

This workshop reviews the architectural issues of data sources, and introduces practical techniques for confirming the structure, meaning, behavior, and quality of each source. Then we do integration analysis and design, confirming that entities, keys, and non-key fields are compatible in their meaning and behavior.

In this workshop you will learn:

- How data architecture is an essential part of understanding full meaning of source data
- Practical techniques to survey and understand source data behavior and quality
- How to design the target database including the logical architecture of the sources
- How to avoid problems in designing long-lasting keys for target tables
- How to ensure continued quality of your integration design into the future

This presentation employs numerous practical examples of actual source data, and merging situations. Students are encouraged to find the problems in case studies, often with surprising results.

About the Presenter

Michael is a popular speaker, author and consultant on data architecture, data warehousing, and data quality.

Most recently, he was Director of Data Quality for Experian (formerly TRW Credit Data) in Orange, California. Prior to this position, he was Vice President and Manager of Information Quality for Home Savings of America (Los Angeles).

He is keenly interested in data quality assessment, and reverse engineering and mining of production databases.

His articles on data architecture and data quality techniques have been published in Information Week, IBI System Journal, Data Management Review, and the Database Newsletter. His speaking engagements include DAMA-International conferences, Meta-data Conferences in London and the U.S., various DAMA chapters, DB2 user groups, and The Data Warehousing Institute.

He also writes humor, published in the Los Angeles Times and other journals.

Workshop 3 Assured Delivery of Electronic Data Communications

Presenter : Lars Davis, Chief Executive Officer Kalypton PLC, Senior Visiting Fellow to the Institute for Computer and Communications Law, University of London

Cancelled

The ability to conduct business electronically has...

The issues of compliance have come to a head indirectly because of computers, and, in particular, the Internet. We can contract via email, our partners, suppliers and customers have access to corporate resources, and our own staff can directly access corporate facilities from anywhere in the world.

This surge in technology does not change the underlying legal, regulatory and judicial requirements to be met. It just places new challenges on an organisation. How do we manage all these communication mechanisms? How do we secure the business records created electronically to provide the level of evidence that we had in the paper world?

The increasing dependence on computers and electronic data means that in order to survive a regulatory investigation, commercial or civil litigation, a criminal investigation, or even survive a criminal attack, organisations must have a properly implemented record capture, storage and retrieval capability.

About the Presenter

Lars specialises in Information Technology Law, Internet Law and Telecommunications Law and currently concentrates on issues that include electronic financial services, security, authentication, and regulatory compliance.

He joined the Institute in 1995 as a full-time academic. During his time as an academic Lars consulted to a city firm of solicitors on a range of legal and regulatory issues relating to telecommunications and electronic commerce.

Prior to becoming a lawyer, Lars worked in the computer industry.

Lars is a frequent and well known speaker on these topics and is widely published, including contributions to the telecommunications volume of the Encyclopaedia of Forms and Precedents.

In October 1997, Lars joined solicitors Ashurst Morris Crisp as a communications, media and technology analyst where, until June 2001, he worked closely with the firm's IT and e-commerce groups in relation to both contentious and non-contentious matters.

Lars left his post at the Institute in 2002 and is now the CEO of Kalypton Limited, a company he formed to deliver solutions that enable users to achieve regulatory compliance and evidential weight for their electronic communications. He continues to consult to a variety of concerns.

There is a lot of information about the issues Lars is concerned with on his company website <http://www.kalypton.com>.

Workshop 4 Consolidating Context Models (Half Day)

Presenter : David Wiebe, Information Architect, Queensland Transport

Whether considering a 'Whole of Government' Data Model or a Corporate Data Model or an Enterprise Data Model, several areas of interest overlap the respective environmental boundaries.

But just how much?

This workshop invites participants to come with a data model, preferably in Information Engineering syntax but other formats will be acceptable. This model should be considered representative of a genuine data requirement within your organisation.

The idea is to assemble a level 1, or contextual model. And to populate as much of the level 2, or conceptual model as possible to show the coverage with the enterprise perspective.

Come and join in the quest to achieving the enterprise view.

About the Presenter

David has over 20 years experience in delivering information systems to various industries. He finds value in being able to understand all aspects of working with data requirements. David has been tackling the enterprise view of data for over ten years from different perspectives. He finds most challenging the data architects mandate to demonstrate that creating a whole of enterprise view of data is a valuable exercise and usable by projects.

He recently held the role of Data Architect with the Australian Tax Office creating their enterprise data models.

Previously he was a data architect for Bankers Trust Australia creating their enterprise funds management data model.

David holds a Bachelor of Mathematics majoring in Computer Science from the University of Waterloo in Canada.

He is a member of the Data Management Association through the Canberra chapter.
