

CONTENTS

Preface	v
Acknowledgements	vi
Organization of the DATAID Project	vii
Methodology and Tools for Data Base Design in the DATAID Project S. CERI	1
 PART I - DATAID-1 METHODOLOGY	
 CHAPTER I	
Requirements Collection and Analysis	
V. DE ANTONELLIS and B. DEMO	9
 CHAPTER II	
Views Conceptual Design	
U. BUSSOLATI, S. CERI, V. DE ANTONELLIS and B. ZONTA	25
 CHAPTER III	
Views Integration	
C. BATINI, M. LENZERINI and M. MOSCARINI	57
 CHAPTER IV	
Logical Design in Codasyl and Relational Environment	
P. BERTAINA, A. DI LEVA and P. GIOLITO	85
 CHAPTER V	
Physical Data Base Design for Codasyl DBMS	
W. STANISZKIS, D. SACCA', F. MANFREDI and A. MECCHIA	119
 CHAPTER VI	
A Separability-Based Method for Secondary Index Selection in Physical Database Design	
F. BONFATTI, D. MAIO and P. TIBERIO	149

PART II - TOOLS FOR CONCEPTUAL DATABASE DESIGN**CHAPTER VII**

NLDA: A Natural Language Reasoning System for the Analysis of
Data Base Requirements

M. COLOMBETTI, G. GUIDA and M. SOMALVICO

163

CHAPTER VIII

A Set of Integrated Tools for the Conceptual Design of Database
Schemas and Transactions

G. BRACCHI, S. CERI and G. PELAGATTI

181

CHAPTER IX

INCOD-DTE: A System for Interactive Conceptual Design of Data,
Transactions and Events

P. ATZENI, C. BATINI, E. CARBONI, V. DE ANTONELLIS,
M. LENZERINI, F. VILLANELLI and B. ZONTA

205

CHAPTER X

Dialogo: An Interactive Environment for Conceptual Design in Galileo

A. ALBANO and R. ORSINI

229

Author Index

255

