

1. Record Nr.	UNINA9910825080503321
Titolo	Case study research in software engineering : guidelines and examples // Per Runeson ... [et al.]
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2012
ISBN	9786613618603 9781280588778 1280588772 9781118181003 111818100X 9781118181034 1118181034 9781118181027 1118181026
Edizione	[1st ed.]
Descrizione fisica	1 online resource (257 p.)
Classificazione	COM051230
Altri autori (Persone)	RunesonPer <1966->
Disciplina	005.1
Soggetti	Computer software - Development Software engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	CASE STUDY RESEARCH IN SOFTWARE ENGINEERING: Guidelines and Examples; CONTENTS; FOREWORD; PREFACE; ACKNOWLEDGMENTS; PART I: CASE STUDY METHODOLOGY; 1 INTRODUCTION; 1.1 What is a Case Study?; 1.2 A Brief History of Case Studies in Software Engineering; 1.3 Why a Book on Case Studies of Software Engineering?; 1.4 Conclusion; 2 BACKGROUND AND DEFINITION OF CONCEPTS; 2.1 Introduction; 2.2 Research Strategies; 2.3 Characteristics of Research Strategies; 2.3.1 Purpose; 2.3.2 Control and Data; 2.3.3 Triangulation; 2.3.4 Replication; 2.3.5 Inductive and Deductive Enquiries 2.4 What Makes a Good Case Study? 2.5 When is the Case Study Strategy Feasible?; 2.6 Case Study Research Process; 2.7 Conclusion; 3 DESIGN OF THE CASE STUDY; 3.1 Introduction; 3.2 Elements of the Case Study Design; 3.2.1 Rationale for the Study; 3.2.2 Objective of the Study; 3.2.3 Cases and Units of Analyses; 3.2.4 Theoretical Framework;

3.2.5 Research Questions; 3.2.6 Propositions and Hypotheses; 3.2.7 Concepts; 3.2.8 Methods of Data Collection; 3.2.9 Methods of Data Analysis; 3.2.10 Case Selection; 3.2.11 Selection of Data; 3.2.12 Data Definition and Data Storage
3.2.13 Quality Control and Assurance 3.2.14 Maintaining the Case Study Protocol; 3.2.15 Reporting and Disseminating the Case Study; 3.3 Legal, Ethical, and Professional Issues; 3.4 Conclusion; 4 DATA COLLECTION; 4.1 Introduction; 4.2 Different Types of Data Source; 4.2.1 Classification of Data Sources; 4.2.2 Data Source Selection; 4.3 Interviews; 4.3.1 Planning Interviews; 4.3.2 The Interview Session; 4.3.3 Post interview Activities; 4.4 Focus groups; 4.5 Observations; 4.6 Archival Data; 4.7 Metrics; 4.8 Conclusion; 5 DATA ANALYSIS AND INTERPRETATION; 5.1 Introduction
5.2 Analysis of Data in Flexible Research 5.2.1 Introduction; 5.2.2 Level of Formalism; 5.2.3 Relation to Hypotheses; 5.3 Process for Qualitative Data Analysis; 5.3.1 Introduction; 5.3.2 Steps in the Analysis; 5.3.3 Techniques; 5.3.4 Tool support; 5.4 Validity; 5.4.1 Construct Validity; 5.4.2 Internal Validity; 5.4.3 External Validity; 5.4.4 Reliability; 5.5 Improving Validity; 5.6 Quantitative Data Analysis; 5.7 Conclusion; 6 REPORTING AND DISSEMINATION; 6.1 Introduction; 6.2 Why Report and Disseminate; 6.3 The Audience for the Report; 6.4 Aspects of the Case Study to Report and Disseminate
6.5 When to Report and Disseminate 6.6 Guidelines on Reporting; 6.6.1 The Generic Content of an Academic Report; 6.6.2 Reporting Recommendations from Evaluative Case Studies; 6.6.3 Reporting to Stakeholders, Including Sponsor(s); 6.6.4 Reporting the Context of the Case Study; 6.6.5 Reporting to Students; 6.6.6 Ad Hoc and Impromptu Reporting; 6.7 Formats and Structures for a Report; 6.8 Where to Report; 6.9 Ethics and Confidentiality; 6.10 Conclusion; 7 SCALING UP CASE STUDY RESEARCH TO REAL-WORLD SOFTWARE PRACTICE; 7.1 Introduction; 7.2 The Aims of Scaling up Case Studies
7.3 Dimensions of Scale

Sommario/riassunto

Based on their own experiences of in-depth case studies of software projects in international corporations, in this book the authors present detailed practical guidelines on the preparation, conduct, design and reporting of case studies of software engineering. This is the first software engineering specific book on the case study research method.
