Book Review

"System Requirements Engineering"
Loucopoulos, Pericles
Karakostas, Vassilios
1995.- McGraw-Hill International series in Software Engineering
ISBN 0-07-707843-8

It has long been established that the effectiveness and flexibility of a system are inextricably related to the correct understanding of the needs of the system's customers or users.

Requirements Engineering is the key issue for the development of Software Systems, that meet the expectations of their customers and users, are delivered on time, and are developed within budget.

This book intends to provide the state of the art material on techniques, methods, and tools for the elicitation, representation and validation of requirements.

Chapter 1- Requeriments Engineering is viewed from different perspectives (i.e. business, Software Engineering, etc)

Chapter 2- A framework is provided for Requeriments Engineering activities, composed by Elicitation knowledge related to a problem domain, Validation of such knowledge, and Specification problem in a formal way.

Chapter 3- The Requeriments Elicitation is examined from the perspectives of conceptual methods and tools.

Chapter 4- The development of Conceptual Models is dealt with. A Requeriments Specification is viewed as a composite of three components: Enterprise Requeriments, Functional Requeriments and non Functional Requeriments.

Chapter 5– The process of Requeriments Validation is covered. The difficulties inherent in obtaining the user's agreement on what constitutes a valid description of their problem is discussed. Introduces Validation Techniques such as Prototyping, Animation and Expert Systems approaches are introduced.

Chapter 6– A historical review of the role of Computer-Aided Software Engineering (CASE) in Requeriments Engineering is introduced.

This book is aimed at students of undergraduate and postgraduate programmes, with a substancial knowledge of systems development.

Lic. Pablo Thomas